

How to convert from HTML4 to HTML5

In this lesson, we will learn how to convert an HTML4 website to HTML5 without changing any original content or structure.

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You can use the same if you want to convert XHTML to HTML5.

HTML4	HTML5
<code><div id="header"></code>	<code><header></code>
<code><div id="menu"></code>	<code><nav></code>
<code><div id="content"></code>	<code><section></code>
<code><div class="article"></code>	<code><article></code>
<code><div id="footer"></code>	<code><footer></code>

Normal HTML4 page

HTML4

1. Home page

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News

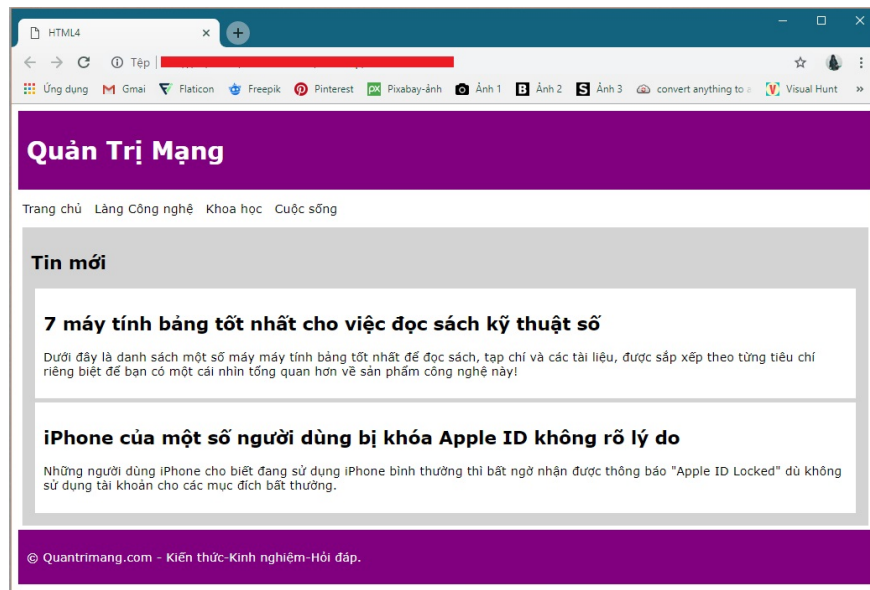
7 best tablets for reading digital books

Below is a list of some of the best tablet computers to read books, magazines and documents, arranged according to each individual criteria so you have a better overview of this technology product!

The iPhone of some Apple ID locked users is unclear

iPhone users who say they are using a normal iPhone will suddenly receive a "Locked ID" message even though they are not using the account for unusual purposes.

With the interface obtained:



DocType document conversion of HTML5

First, change the old DocType style to the new DocType of HTML5.

From:

To:

We still get the same results.

Change the new encoding

Next, from the old Encoding style:

New style of HTML5:

Add Shiv element to HTML5

Semantic elements in HTML5 are supported in all modern browsers.

In addition, you can "teach" older browsers how to handle new HTML5 elements.

However, Internet Explorer8 browser and previous versions do not allow adding unknown elements. Therefore, HTML5Shiv is a JavaScript solution that programmers use to add HTML5 to IE versions before version9.

You can take a closer look at HTML5Shiv [here](#).

Add elements with CSS semantics in HTML5

CSS contains ids and classes to style elements

```
body {  
font-family: Verdana, sans-serif;  
font-size: 0.9em;  
}
```

```
div # header, div # footer {  
padding: 10px;  
color: white;  
background-color: purple;  
}
```

```
div # content {  
margin: 5px;  
padding: 10px;  
background-color: lightgrey;  
}
```

```
div.article {  
margin: 5px;  
padding: 10px;  
background-color: white;  
}
```

```
div # menu ul {  
padding: 0;  
}
```

```
div # menu ul li {  
display: inline;  
margin: 5px;  
}
```

To HTML5 we replace with semantic elements

```
body {  
font-family: Verdana, sans-serif;
```

```
font-size: 0.9em;
}

header, footer {
padding: 10px;
color: white;
background-color: purple;
}

section {
margin: 5px;
padding: 10px;
background-color: lightgrey;
}

article {
margin: 5px;
padding: 10px;
background-color: white;
}

nav ul {
padding: 0;
}

nav ul li {
display: inline;
margin: 5px;
}
```

Next, change old elements to semantic elements:

1. Convert elements with *id* = 'header' and *id* = 'footer' to semantic elements and .
2. Move element with *id* = 'menu' to semantic element .
3. Move an element with *id* = 'content' to a semantic element .
4. Turning elements has *class* = 'post' to semantic elements .

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iPhone users who say they are using a normal iPhone will suddenly receive a "Locked ID" message even though they are not using the account for unusual purposes.

Finally you can remove the tags . They are no longer needed in HTML5.

The difference between and

Elements and

It is easy to be confused with each other and you are easily confused if you only read the concept of each element.

In HTML5 standard, and

is defined as follows:

1. is a block of content related to each other.
2. is a block consisting of complete content, a closed block.
3. is a block consisting of multiple child tags inside.

So how do we clearly distinguish these elements?

Quite simply, depending on the content you want to show, use these elements flexibly.

In the above example we have used it outside .

But we can also use it for the same purpose.

Here are a few examples that demonstrate how to use flexible tags in each case:

in :

HTML5

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Technology Story

Admire the Galaxy F concept with a beautiful folding screen

Concept Creator team relied on previous leaks to create a concept video of a device called Galaxy F, Samsung's folding screen smartphone.

Bitcoin prices slumped on the floor, the lowest in the year

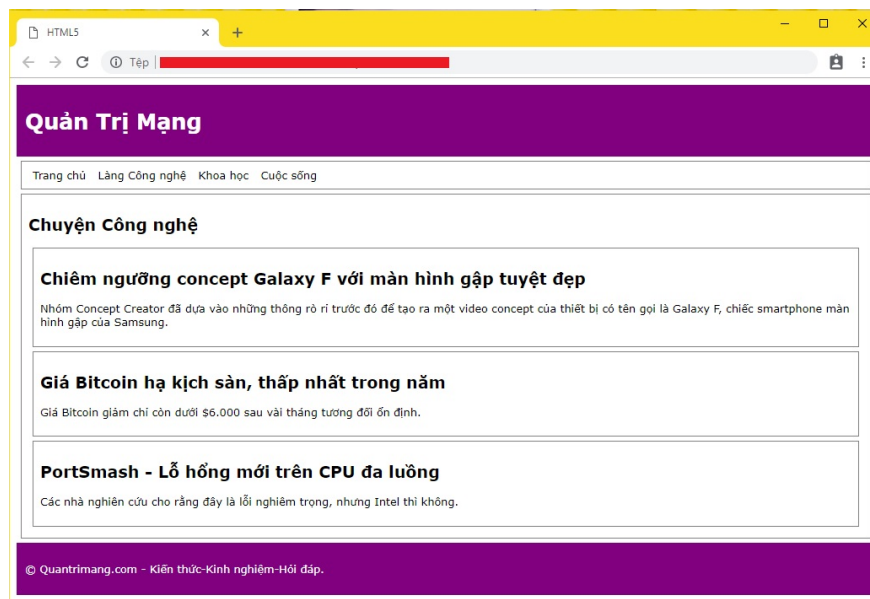
Bitcoin prices fell to just under \$ 6,000 after a few relatively stable months.

PortSmash - New vulnerability on multi-threaded CPU

Researchers think this is a serious error, but Intel does not.

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Results:



in :

HTML5

HTML5 Skeleton

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Admire the Galaxy F concept with a beautiful folding screen

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PortSmash - New vulnerability on the CPU has been threaded

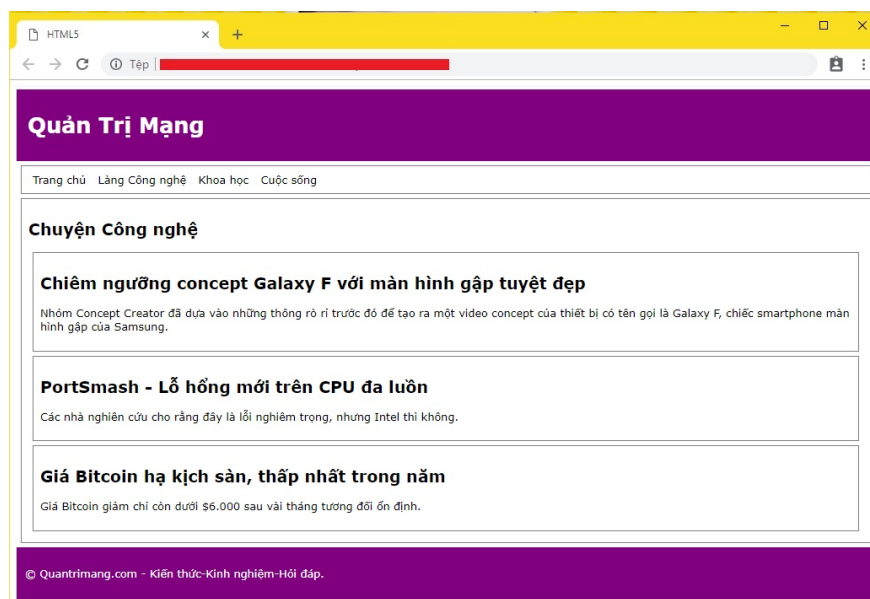
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Results:



in and in:

HTML5

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Technology Village

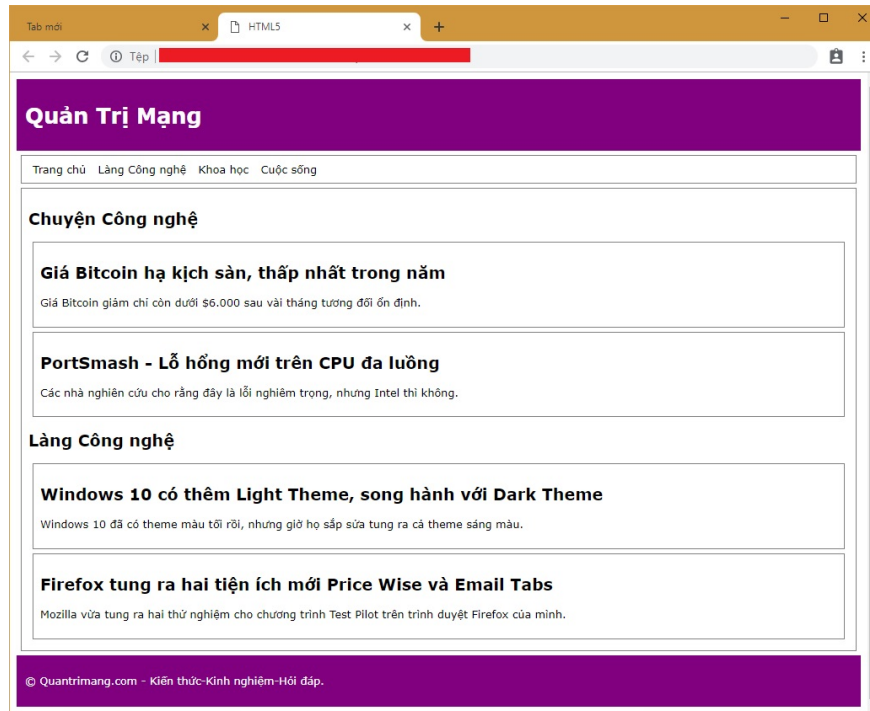
Windows 10 adds Light Theme, parallel to the Dark Theme

Windows 10 already has a dark theme, but now they are about to launch a bright theme.

Firefox launched two new utilities, Price Wise and Email Tabs

Mozilla has just launched two tests for the Test Pilot program on its Firefox browser.

Result:



Previous article: [Semantic Element in HTML5](#)

Next lesson: [Standard format and code coding convention in HTML5](#)

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