

# Converting Colors

Hex(B12340)

Have a look what the booklet for  
Hex(B12340) contains.

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**Color**

**Hex(B12340)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B12340
RGB	177, 35, 64
RGB Percent	69%, 14%, 25%
CMY	0.3059, 0.8627, 0.7490
CMYK	0.00, 0.80, 0.64, 0.31
HSL	348°, 67%, 42%
HSV	348°, 80%, 69%
XYZ	19.6579, 10.9193, 5.9220
YIQ	80.7640, 75.3230, 39.1230

# Conversions

## Conversions Part 2

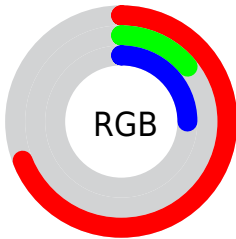
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">177, 35, 64</a>
Decimal	<a href="#">11608896</a>
<a href="#">CIELab</a>	<a href="#">39.44, 56.71, 19.82</a>
<a href="#">CIElCh</a>	<a href="#">39, 60.069, 19.263</a>
<a href="#">Yxy</a>	<a href="#">10.9193, 0.5386, 0.2992</a>
Android (android.graphics.Color)	<a href="#">4289798976</a> (0xFFB12340)
<a href="#">YUV</a>	<a href="#">80.7640, -8.2647, 84.3990</a>
<a href="#">Hunter-Lab</a>	<a href="#">33.0444, 48.3607, 12.5055</a>

# Details

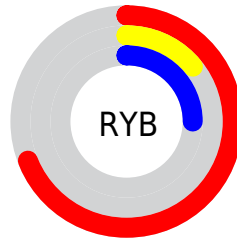
The Hex color **B12340** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **23B194**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **EE5F6F**, and **750016** is the 20% darker color. If you saturate the color by 10%, you get **B11132**, and if you desaturate by 10%, it is **B1354E**.

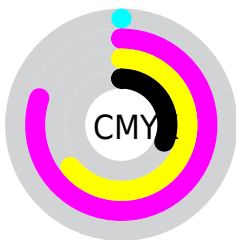
# Distribution



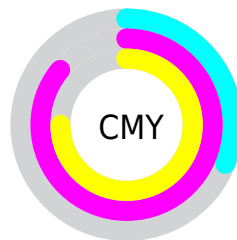
- Red (69%)
- Green (14%)
- Blue (25%)



- Red (69%)
- Yellow (14%)
- Blue (25%)



- Cyan (0%)
- Magenta (80%)
- Yellow (64%)
- Black (31%)



- Cyan (31%)
- Magenta (86%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B12340 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color B12340 by changing the saturation by 10% instead.



 B12340

 B12340

FFFFFF

 93002A

 EE5F6F

 750016

 FF7A89

 580000

 FF96A3

 3D0003

 FFB3BE

 180001

 FFCFDA

 000000

 FFEDF6

 B12340

 B12340

 B11132

 B1354E

 B10024

 B1465C

 B1586A

 B16A78

 B17B86

 B18D95

 B19FA3

 B1B1B1

 B1C2BF

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



AA2371



B12340



A13D0F

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



B12340



006D13



0068BE

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



B12340



23B194

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0070A7



B12340



007149

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



B12340



546400



00727C



2658BA

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



B12340



8C4E00



00727C



006CB9



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



B12340



E6AEBA



9223B1



735158



F2F2F2



737373



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



B12340



E60936



B14B23



595052



99001F



1A0005



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



B12340



E60936



2389B1



595052



99001F



1A0005



# Previews

## White Background



This preview shows how the Hex color B12340 looks on a white background.

## Color Contrast Check

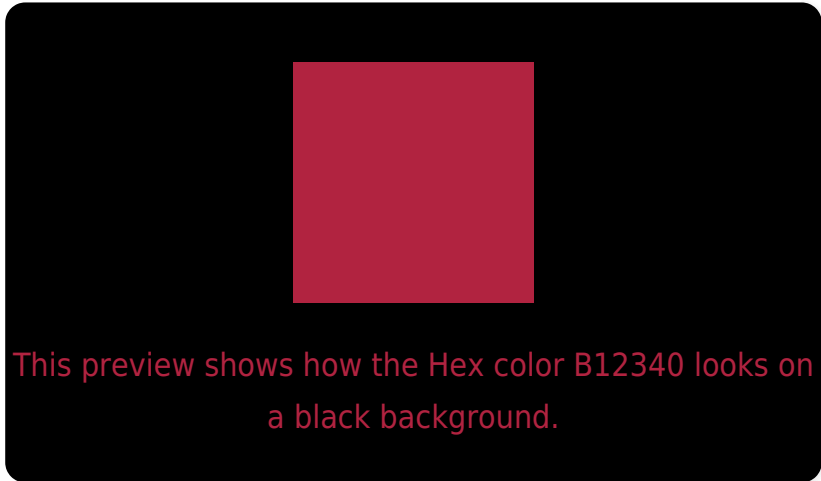
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex B12340 Background



This preview shows how black text looks on a background with the Hex color B12340.



This preview shows how white text looks on a background with the Hex color B12340.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


## Dichromacy



**Original Color**  
B12340

**Protanopia**  
615E58

**Deuteranopia**  
725A39



**Tritanopia**  
B02829

# Trichromacy



**Original Color**  
B12340

**Protanomaly**  
7E494F

**Deuteranomaly**  
89463C

**Tritanomaly**  
B02631

# Monochromacy



**Original Color**  
B12340

**Achromatopsia**  
515151

**Achromatomaly**  
74404B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B12340 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #B12340 looks like.

```
.text, #text, p{  
    color:#B12340  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #B12340 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B12340
}
```

## Border

The CSS property to change the border of an element to Hex B12340 is called "border". The border property can be set on classes, ids or directly on the HTML element.

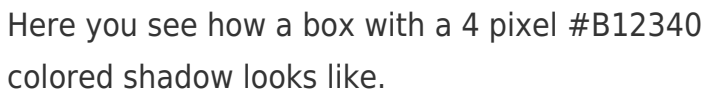
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B12340 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#B12340 }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel #B12340 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B12340; -webkit-box-shadow:4px 4px  
4px 4px #B12340; box-shadow:4px 4px 4px  
4px #B12340 }
```

# Background

The CSS property to change the background color of an element to Hex B12340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B12340 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#B12340 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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