

# Converting Colors

Hex(B40840)

Have a look what the booklet for  
Hex(B40840) contains.

<b>Hex(B40840)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(B40840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B40840
RGB	180, 8, 64
RGB Percent	71%, 3%, 25%
CMY	0.2941, 0.9686, 0.7490
CMYK	0.00, 0.96, 0.64, 0.29
HSL	340°, 91%, 37%
HSV	340°, 96%, 71%
XYZ	19.8346, 10.2471, 5.7830
YIQ	65.8120, 84.5360, 53.8800

# Conversions

## Conversions Part 2

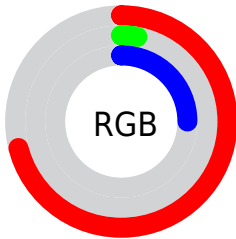
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 8, 64
Decimal	11798592
CIELab	38.28, 62.60, 18.41
CIELCh	38, 65.249, 16.390
Yxy	10.2471, 0.5530, 0.2857
Android (android.graphics.Color)	4289988672 (0xFFB40840)
YUV	65.8120, -0.8933, 100.1429
Hunter-Lab	32.0111, 54.5821, 11.6967

# Details

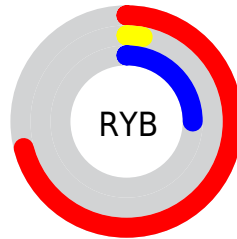
The Hex color **B40840** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **08B47C**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **F2536F**, and **770017** is the 20% darker color. If you saturate the color by 10%, you get **B4003B**, and if you desaturate by 10%, it is **B41A4C**.

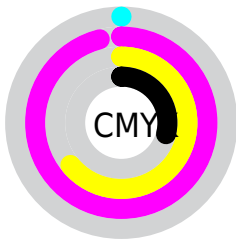
# Distribution



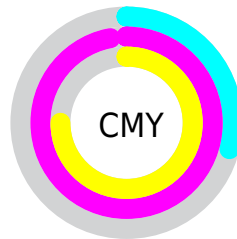
- Red (71%)
- Green (3%)
- Blue (25%)



- Red (71%)
- Yellow (3%)
- Blue (25%)



- Cyan (0%)
- Magenta (96%)
- Yellow (64%)
- Black (29%)



- Cyan (29%)
- Magenta (97%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B40840 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 B40840 by changing the saturation by 10% instead.



 B40840

 B40840

FFFFFF

 95002A

 F2536F

 770017

 FF7089

 5A0000


 FF8CA3

 3D0003

 FFA9BE

 190001

 FFC6D9

 000000

 FFE3F6

 B40840

 B40840

 B4003B

 B41A4C

 B42C58

 B43E64

 B45071

 B4627D

 B47489

 B48695

 B498A1

 B4AAAD

# Harmonies

## Analogous

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



AA1174



B40840



A43309

# Triad

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



B40840



006A00



0068C2

# Complementary

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



B40840



08B47C

# 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.



006FA6



B40840



006F3F

# Square

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



B40840



546100



007077



0057C1

# Rectangle

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



B40840



8F4700



007077



006BBC



# Sweetspot

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



B40840



EBA7BD



7B08B4



754C5A



F5F5F5



757575



# Same Dimension

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



B40840



EB004C



B42508



595053



990032



1A0008



# Inverse Universe

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



B40840



EB004C



0897B4



595053



990032



1A0008



# Previews

## White Background



This preview shows how the Hex color B40840 looks on a white background.

## Color Contrast Check

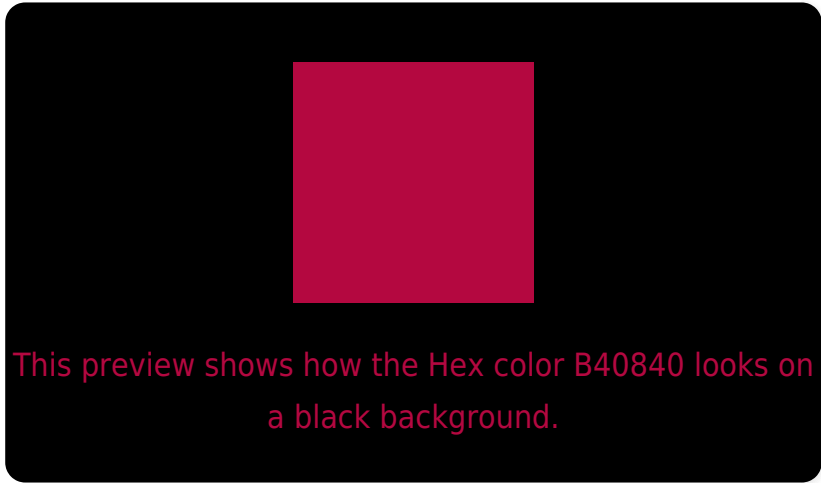
Large Text (above 18pt) WCAG AA ✓ Pass

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 B40840 Background



This preview shows how black text looks on a background with the Hex color B40840.

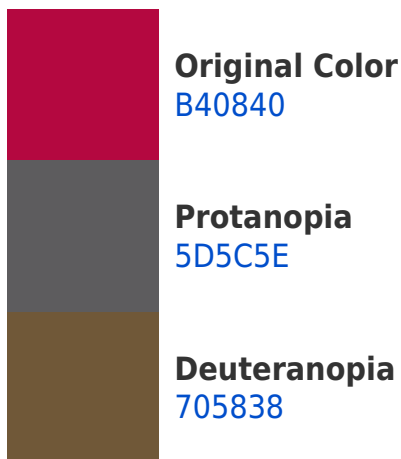


This preview shows how white text looks on a background with the Hex color B40840.

# 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





**Tritanopia**  
B31B18

# Trichromacy



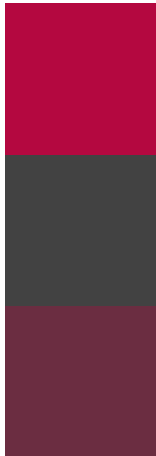
**Original Color**  
B40840

**Protanomaly**  
7D3D53

**Deuteranomaly**  
893B3B

**Tritanomaly**  
B31427

# Monochromacy



**Original Color**  
B40840

**Achromatopsia**  
424242

**Achromatomaly**  
6B2D41

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B40840 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 #B40840 looks like.

```
.text, #text, p{  
    color:#B40840  
}
```

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 #B40840 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B40840
}
```

## Border

The CSS property to change the border of an element to Hex B40840 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".

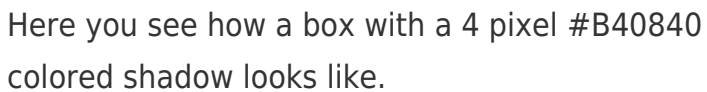
```
.border, #border, table{ border:4px solid
#B40840 }
```

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

```
.border{ border-color:#B40840 }
```

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

Here you see how a box with a 4 pixel #B40840 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B40840; -webkit-box-shadow:4px 4px  
4px 4px #B40840; box-shadow:4px 4px 4px  
4px #B40840 }
```

# Background

The CSS property to change the background color of an element to Hex B40840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B40840 }
```

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

```
.background{ background-color:#B40840 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor