

# Converting Colors

Hex(B80218)

Have a look what the booklet for  
Hex(B80218) contains.

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**Color**

**Hex(B80218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B80218
RGB	184, 2, 24
RGB Percent	72%, 1%, 9%
CMY	0.2784, 0.9922, 0.9059
CMYK	0.00, 0.99, 0.87, 0.28
HSL	353°, 98%, 36%
HSV	353°, 99%, 72%
XYZ	19.9537, 10.2997, 1.8005
YIQ	58.9260, 101.4100, 45.4260

# Conversions

## Conversions Part 2

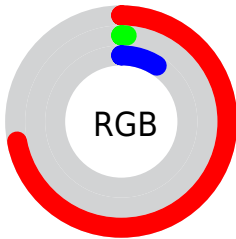
Format	Color
<b>RYB</b>	184, 2, 24
Decimal	12059160
CIELab	38.38, 62.79, 42.80
CIELCh	38, 75.988, 34.277
Yxy	10.2997, 0.6225, 0.3213
Android (android.graphics.Color)	4290249240 (0xFFB80218)
YUV	58.9260, -17.2185, 109.6899
Hunter-Lab	32.0932, 54.8183, 19.1389

# Details

The Hex color **B80218** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **02B8A2**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **F85145**, and **790000** is the 20% darker color. If you saturate the color by 10%, you get **B80016**, and if you desaturate by 10%, it is **B81428**.

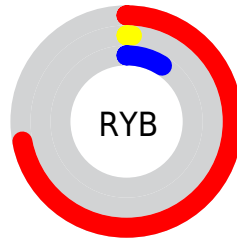
# Distribution



Red (72%)

Green (1%)

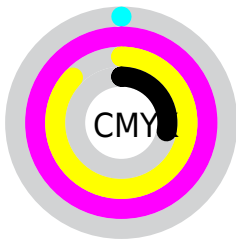
Blue (9%)



Red (72%)

Yellow (1%)

Blue (9%)

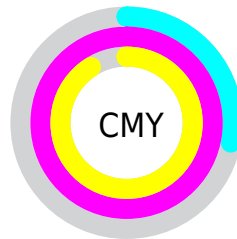


Cyan (0%)

Magenta (99%)

Yellow (87%)

Black (28%)



Cyan (28%)

Magenta (99%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B80218 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 B80218 by changing the saturation by 10% instead.



 B80218

 B80218

FFFFFF

 980000

 F85145

 790000

 FF6E5D

 5A0000

 FF8B76

 3E0003

 FFA790

 1A0001

 FFC4AB

 000000

 FFE2C6

 FFFF E3

 B80218

 B80218

 B80016

 B81428

 B82738

 B83949

 B84C59

 B85E69

 B87079

 B88389

 B89599

 B8A8AA

# Harmonies

## Analogous

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



C10055



B80218



984100

# Triad

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



B80218



00701E



0061D8

# Complementary

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



B80218



02B8A2

# 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.



006ECB



B80218



007262

# Square

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



B80218



1F6900



00739F



5C44C2

# Rectangle

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



B80218



795400



00739F



0067D7



# Sweetspot

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



B80218



F0A8B0



A002B8



784D52



F7F7F7



787878



# Same Dimension

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



B80218



F0001D



B84502



5C5354



9C0013



1C0003



# Inverse Universe

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



B80218



F0001D



0275B8



5C5354



9C0013



1C0003



# Previews

## White Background



This preview shows how the Hex color B80218 looks on a white background.

## Color Contrast Check

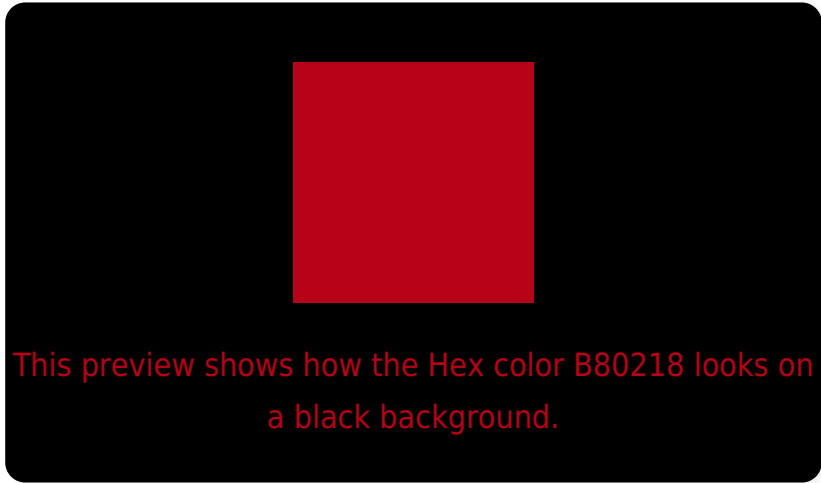
Large Text (above 18pt) WCAG AA ✓ Pass

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 B80218 Background



This preview shows how black text looks on a background with the Hex color B80218.



This preview shows how white text looks on a background with the Hex color B80218.

# 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**  
B80218

**Protanopia**  
675D29

**Deuteranopia**  
755800



**Tritanopia**  
B71100

# Trichromacy



**Original Color**  
B80218

**Protanomaly**  
843C23

**Deuteranomaly**  
8D3909

**Tritanomaly**  
B70C09

# Monochromacy



**Original Color**  
B80218

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
68262E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B80218 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 #B80218 looks like.

```
.text, #text, p{  
    color:#B80218  
}
```

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 #B80218 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B80218  
}
```

## Border

The CSS property to change the border of an element to Hex B80218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

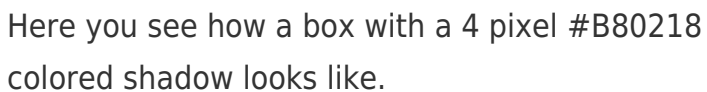
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#B80218 }
```

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

```
.border{ border-color:#B80218 }
```

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



Here you see how a box with a 4 pixel #B80218 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B80218; -webkit-box-shadow:4px 4px  
4px 4px #B80218; box-shadow:4px 4px 4px  
4px #B80218 }
```

# Background

The CSS property to change the background color of an element to Hex B80218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B80218 }
```

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

```
.background{ background-color:#B80218 }
```

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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