

# Converting Colors

Hex(B21F05)

Have a look what the booklet for  
Hex(B21F05) contains.

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**Color**

**Hex(B21F05)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B21F05</a>
RGB	<a href="#">178, 31, 5</a>
RGB Percent	<a href="#">70%, 12%, 2%</a>
CMY	<a href="#">0.3020, 0.8784, 0.9804</a>
CMYK	<a href="#">0.00, 0.83, 0.97, 0.30</a>
HSL	<a href="#">9°, 95%, 36%</a>
HSV	<a href="#">9°, 97%, 70%</a>
XYZ	<a href="#">18.8775, 10.4559, 1.1668</a>
YIQ	<a href="#">71.9890, 95.9580, 23.0780</a>

# Conversions

## Conversions Part 2

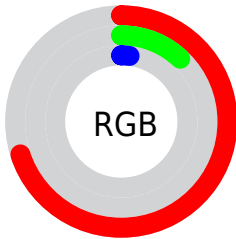
Format	Color
<a href="#">RYB</a>	<a href="#">178, 36, 5</a>
Decimal	<a href="#">11673349</a>
CIELab	<a href="#">38.65, 56.17, 50.13</a>
CIELCh	<a href="#">39, 75.285, 41.747</a>
Yxy	<a href="#">10.4559, 0.6189, 0.3428</a>
Android (android.graphics.Color)	<a href="#">4289863429</a> ( <a href="#">0xFFB21F05</a> )
YUV	<a href="#">71.9890, -33.0256, 92.9716</a>
Hunter-Lab	<a href="#">32.3356, 47.6208, 20.4955</a>

# Details

The Hex color **B21F05** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **0598B2**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **F25B37**, and **730000** is the 20% darker color. If you saturate the color by 10%, you get **B21B00**, and if you desaturate by 10%, it is **B22E17**.

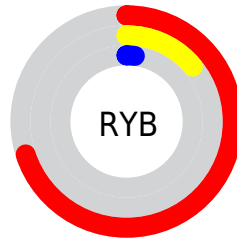
# Distribution



Red (70%)

Green (12%)

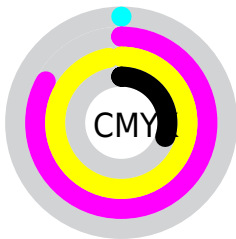
Blue (2%)



Red (70%)

Yellow (14%)

Blue (2%)

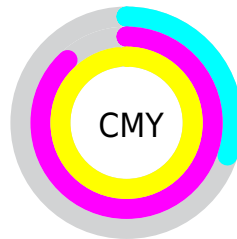


Cyan (0%)

Magenta (83%)

Yellow (97%)

Black (30%)



Cyan (30%)

Magenta (88%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B21F05 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 B21F05 by changing the saturation by 10% instead.



 B21F05

 B21F05

 FFFFF1

 930000

 F25B37

 730000

 FF774F

 550000

 FF9368

 3A0002

 FFAF82

 110000

 FFCC9D

 000000

 FFE9B8

 FFFFD4

 B21F05

 B21F05

 B21B00

 B22E17

 B23D29

 B24C3A

 B25B4C

 B26B5E

 B27A70

 B28982

 B29893

 B2A7A5

# Harmonies

## Analogous

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



C10046



B21F05



8D4A00

# Triad

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



B21F05



007131



005CD5

# Complementary

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



B21F05



0598B2

# 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.



006DD1



B21F05



007372

# Square

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



B21F05



006C00



0073AC



773BB8

# Rectangle

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



B21F05



6D5A00



0073AC



0063D8



# Sweetspot

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



B21F05



E8AFA5



B20598



75524C



F5F5F5



757575



# Same Dimension

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



B21F05



E82300



B27505



595250



991700



1A0400



# Inverse Universe

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



0598B2



00C5E8



0542B2



505859



008299



00161A



# Previews

## White Background



This preview shows how the Hex color B21F05 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 B21F05 Background



This preview shows how black text looks on a background with the Hex color B21F05.



This preview shows how white text looks on a background with the Hex color B21F05.

# 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



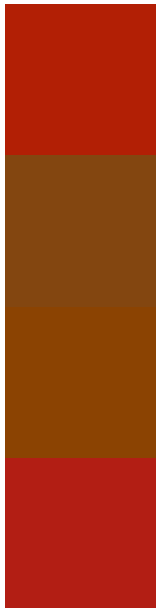
**Original Color**  
B21F05

**Protanopia**  
685D16

**Deuteranopia**  
755800



# Trichromacy



**Original Color**  
B21F05

**Protanomaly**  
834610

**Deuteranomaly**  
8B4302

**Tritanomaly**  
B21E14

# Monochromacy



**Original Color**  
B21F05

**Achromatopsia**  
484848

**Achromatomaly**  
6F3930

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B21F05 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 #B21F05 looks like.

```
.text, #text, p{  
    color:#B21F05  
}
```

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 #B21F05 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B21F05
}
```

## Border

The CSS property to change the border of an element to Hex B21F05 is called "border". The border property can be set on classes, ids or directly on the HTML element.

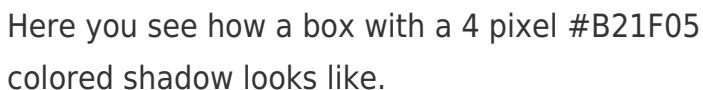
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B21F05 }
```

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

```
.border{ border-color:#B21F05 }
```

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



Here you see how a box with a 4 pixel #B21F05 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B21F05; -webkit-box-shadow:4px 4px  
4px 4px #B21F05; box-shadow:4px 4px 4px  
4px #B21F05 }
```

# Background

The CSS property to change the background color of an element to Hex B21F05 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B21F05 }
```

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

```
.background{ background-color:#B21F05 }
```

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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