

# Converting Colors

Hex(B40F21)

Have a look what the booklet for  
Hex(B40F21) contains.

<b>Hex(B40F21)</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(B40F21)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B40F21
RGB	180, 15, 33
RGB Percent	71%, 6%, 13%
CMY	0.2941, 0.9412, 0.8706
CMYK	0.00, 0.92, 0.82, 0.29
HSL	353°, 85%, 38%
HSV	353°, 92%, 71%
XYZ	19.2677, 10.1548, 2.3834
YIQ	66.3870, 92.5620, 40.5780

# Conversions

## Conversions Part 2

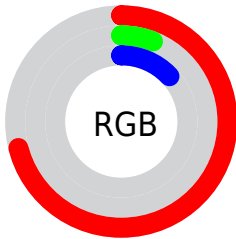
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 15, 33
Decimal	11800353
CIE <sub>Lab</sub>	38.12, 60.45, 37.36
CIE <sub>LCh</sub>	38, 71.064, 31.718
Yxy	10.1548, 0.6058, 0.3193
Android (android.graphics.Color)	4289990433 (0xFFB40F21)
YUV	66.3870, -16.4598, 99.6386
Hunter-Lab	31.8665, 52.1616, 17.8721

# Details

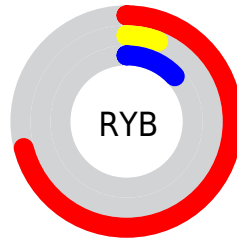
The Hex color **B40F21** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **0FB4A2**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **F3544E**, and **760000** is the 20% darker color. If you saturate the color by 10%, you get **B40014**, and if you desaturate by 10%, it is **B42131**.

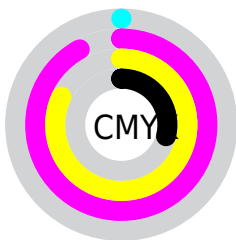
# Distribution



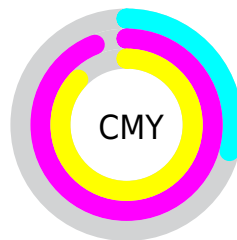
- Red (71%)
- Green (6%)
- Blue (13%)



- Red (71%)
- Yellow (6%)
- Blue (13%)



- Cyan (0%)
- Magenta (92%)
- Yellow (82%)
- Black (29%)



- Cyan (29%)
- Magenta (94%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B40F21 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 B40F21 by changing the saturation by 10% instead.



 B40F21

 B40F21

FFFFFF

 95000C

 F3544E

 760000

 FF7166

 570000

 FF8D80

 3B0002

 FFAA9A

 150000

 FFC6B5

 000000

 FFE4D0

 FFFFED

 B40F21

 B40F21

 B40014

 B42131

 B43341

 B44551

 B45761

 B46971

 B47B81

 B48D91

 B49FA1

 B4B1B1

# Harmonies

## Analogous

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



B90059



B40F21



973F00

# Triad

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



B40F21



006E1C



0061CF

# Complementary

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



B40F21



0FB4A2

# 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.



006DC0



B40F21



00715C

# Square

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



B40F21



2E6700



007195



5348BD

# Rectangle

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



B40F21



7B5200



007195



0066CE



# Sweetspot

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



B40F21



EBA9B0



A10FB4



754D52



F5F5F5



757575



# Same Dimension

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



B40F21



EB001A



B44E0F



595051



990011



1A0003



# Inverse Universe

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



B40F21



EB001A



0F75B4



595051



990011



1A0003



# Previews

## White Background



This preview shows how the Hex color B40F21 looks on a white background.

## Color Contrast Check

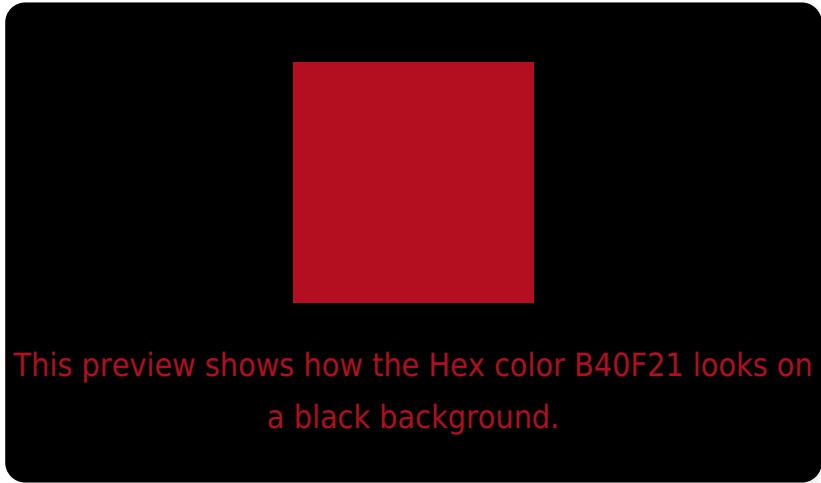
Large Text (above 18pt) WCAG AA ✓ Pass

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 B40F21 Background



This preview shows how black text looks on a background with the Hex color B40F21.



This preview shows how white text looks on a background with the Hex color B40F21.

# 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**  
B40F21

**Protanopia**  
655C33

**Deuteranopia**  
745712



# Trichromacy



**Original Color**  
B40F21

**Protanomaly**  
82402C

**Deuteranomaly**  
8B3D17

**Tritanomaly**  
B41214

# Monochromacy



**Original Color**  
B40F21

**Achromatopsia**  
424242

**Achromatomaly**  
6B2F36

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B40F21 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 #B40F21 looks like.

```
.text, #text, p{  
  color:#B40F21  
}
```

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 #B40F21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B40F21
}
```

## Border

The CSS property to change the border of an element to Hex B40F21 is called "border". The border property can be set on classes, ids or directly on the HTML element.

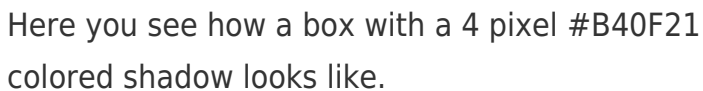
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B40F21 }
```

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

```
.border{ border-color:#B40F21 }
```

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



Here you see how a box with a 4 pixel #B40F21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B40F21; -webkit-box-shadow:4px 4px  
4px 4px #B40F21; box-shadow:4px 4px 4px  
4px #B40F21 }
```

# Background

The CSS property to change the background color of an element to Hex B40F21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B40F21 }
```

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

```
.background{ background-color:#B40F21 }
```

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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