

# Converting Colors

Hex(B05F31)

Have a look what the booklet for  
Hex(B05F31) contains.

<b>Hex(B05F31)</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(B05F31)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B05F31
RGB	176, 95, 49
RGB Percent	69%, 37%, 19%
CMY	0.3098, 0.6275, 0.8078
CMYK	0.00, 0.46, 0.72, 0.31
HSL	22°, 56%, 44%
HSV	22°, 72%, 69%
XYZ	22.5511, 17.6363, 5.1213
YIQ	113.9750, 63.0420, 2.8660

# Conversions

## Conversions Part 2

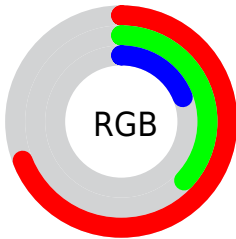
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 121, 49
Decimal	11558705
CIE <sub>Lab</sub>	49.05, 29.14, 39.96
CIE <sub>LCh</sub>	49, 49.460, 53.901
Yxy	17.6363, 0.4977, 0.3892
Android (android.graphics.Color)	4289748785 (0xFFB05F31)
YUV	113.9750, -32.0327, 54.3959
Hunter-Lab	41.9956, 22.3600, 22.1666

# Details

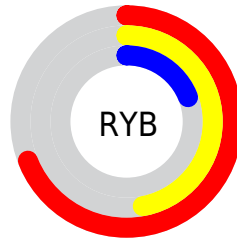
The Hex color **B05F31** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **3182B0**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **EC9361**, and **762F01** is the 20% darker color. If you saturate the color by 10%, you get **B0541F**, and if you desaturate by 10%, it is **B06A43**.

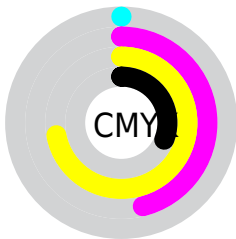
# Distribution



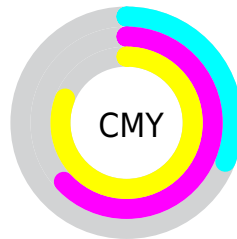
- Red (69%)
- Green (37%)
- Blue (19%)



- Red (69%)
- Yellow (47%)
- Blue (19%)



- Cyan (0%)
- Magenta (46%)
- Yellow (72%)
- Black (31%)



- Cyan (31%)
- Magenta (63%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B05F31 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 B05F31 by changing the saturation by 10% instead.



 B05F31

 B05F31

FFFFFF

 93461A

 EC9361

 762F01

 FFAD7B

 5A1700

 FFC995

 3E0000

 FFE5B0

 260001

 FFFFCC

 000000

 FFFFEE

 B05F31

 B05F31

 B0541F

 B06A43

 B0490E

 B07554

 B04000

 B08166

 B08C77

 B09789

 B0A29B

 B0AEAC

 B0B9BE

 B0C4CF

# Harmonies

## Analogous

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



C05055



B05F31



927019

# Triad

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



B05F31



00886A



666DC1

# Complementary

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



B05F31



3182B0

# 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.



007CC8



B05F31



008895

# Square

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



B05F31



338441



0085B8



9F5BA6

# Rectangle

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



B05F31



78791A



0085B8



4873C6



# Sweetspot

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



B05F31



E6C5B3



B03184



736055



F2F2F2



737373



# Same Dimension

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



B05F31



E6661E



B09D31



595450



993700



1A0900



# Inverse Universe

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



3182B0



1E9DE6



3144B0



505659



006299

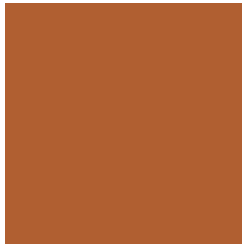


00101A



# Previews

## White Background



This preview shows how the Hex color B05F31 looks on a white background.

## Color Contrast Check

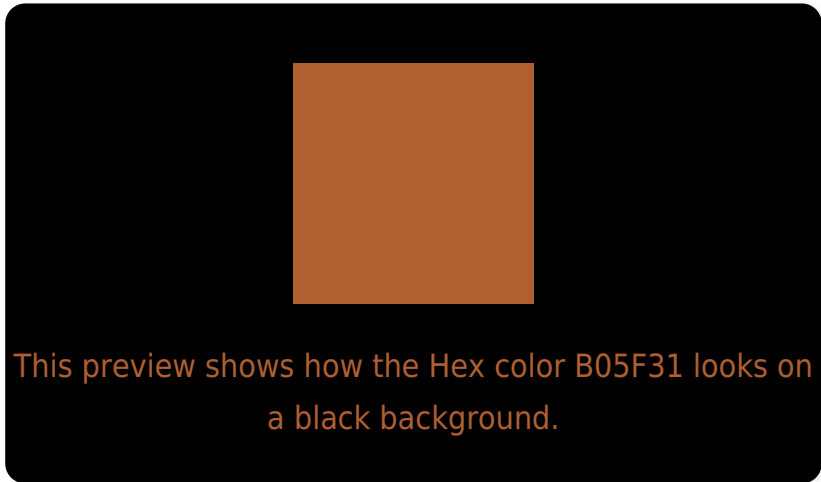
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

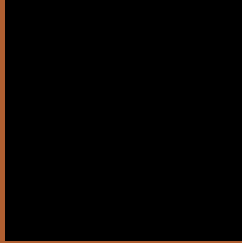
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex B05F31 Background



This preview shows how black text looks on a background with the Hex color B05F31.



This preview shows how white text looks on a background with the Hex color B05F31.

# 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**  
B05F31

**Protanopia**  
827538

**Deuteranopia**  
926F2D



**Tritanopia**  
B35A60

# Trichromacy



**Original Color**  
B05F31

**Protanomaly**  
936D35

**Deuteranomaly**  
9D692E

**Tritanomaly**  
B25C4F

# Monochromacy



**Original Color**  
B05F31

**Achromatopsia**  
727272

**Achromatomaly**  
896B5A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B05F31 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 #B05F31 looks like.

```
.text, #text, p{  
    color:#B05F31  
}
```

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 #B05F31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B05F31
}
```

## Border

The CSS property to change the border of an element to Hex B05F31 is called "border". The border property can be set on classes, ids or directly on the HTML element.

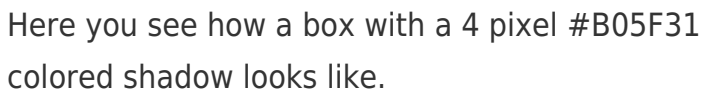
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B05F31 }
```

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

```
.border{ border-color:#B05F31 }
```

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

A rectangular box with a 4px orange shadow. The box is white with a thin orange border. The shadow is a solid orange color, 4 pixels wide and 4 pixels high, offset to the right and bottom of the box. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #B05F31 colored shadow looks like."

Here you see how a box with a 4 pixel #B05F31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B05F31; -webkit-box-shadow:4px 4px  
4px 4px #B05F31; box-shadow:4px 4px 4px  
4px #B05F31 }
```

# Background

The CSS property to change the background color of an element to Hex B05F31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B05F31 }
```

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

```
.background{ background-color:#B05F31 }
```

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