

# Converting Colors

Hex(F05B00)

Have a look what the booklet for  
Hex(F05B00) contains.

<b>Hex(F05B00)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(F05B00)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F05B00
RGB	240, 91, 0
RGB Percent	94%, 36%, 0%
CMY	0.0588, 0.6431, 1.0000
CMYK	0.00, 0.62, 1.00, 0.06
HSL	23°, 100%, 47%
HSV	23°, 100%, 94%
XYZ	39.6763, 26.0074, 2.9288
YIQ	125.1770, 118.0150, 3.2870

# Conversions

## Conversions Part 2

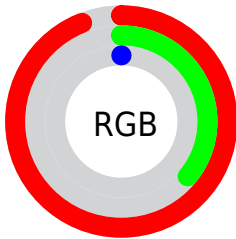
Format	Color
R <sub>Y</sub> B	240, 147, 0
Decimal	15751936
CIE Lab	58.04, 54.53, 67.74
CIE LCh	58, 86.956, 51.168
Yxy	26.0074, 0.5783, 0.3790
Android (android.graphics.Color)	4293942016 (0xFFFF05B00)
YUV	125.1770, -61.7123, 100.6998
Hunter-Lab	50.9975, 49.6282, 32.2932

# Details

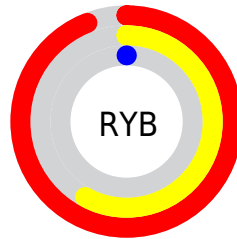
The Hex color **F05B00** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **0095F0**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **FF9241**, and **AF2000** is the 20% darker color. If you saturate the color by 10%, you get **F05B00**, and if you desaturate by 10%, it is **F06A18**.

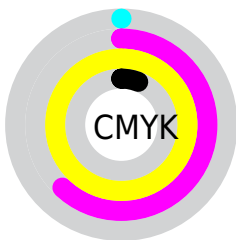
# Distribution



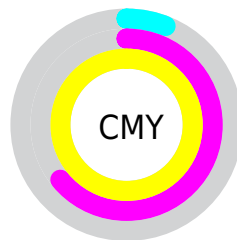
- Red (94%)
- Green (36%)
- Blue (0%)



- Red (94%)
- Yellow (58%)
- Blue (0%)



- Cyan (0%)
- Magenta (62%)
- Yellow (100%)
- Black (6%)



- Cyan (6%)
- Magenta (64%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F05B00 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 F05B00 by changing the saturation by 10% instead.



 F05B00

 F05B00

FFFFFF

 CF3F00

 FF9241

 AF2000

 FFAE5C

 8F0000

 FFCB77

 700000

 FFE892

 520000

 FFFFAD

 360002

 FFFFCA

 080000

 FFFF66

 000000

 F05B00

 F06A18

 F07930

 F08848

 F09760

 F0A678

 F0B490

 F0C3A8

 F0D2C0

 F0E1D8

# Harmonies

## Analogous

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



FF275A



F05B00



BC8000

# Triad

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



F05B00



00AA72



3B82FF

# Complementary

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



F05B00



0095F0

# 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.



009CFF



F05B00



00ACC1

# Square

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



F05B00



00A419



00A8FF



CE57EC

# Rectangle

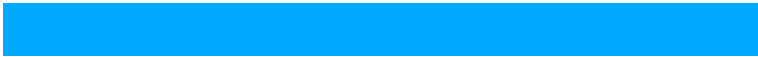
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



F05B00



8F9100



00A8FF



008CFF



# Sweetspot

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



F05B00



FFD0B3



F00098



806352



000000



808080



# Same Dimension

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



F05B00



FF6100



F0D000



78706C



B84600



381500



# Inverse Universe

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



0095F0



009EFF



0020F0



6C7378



0072B8



002338



# Previews

## White Background



This preview shows how the Hex color F05B00 looks on a white background.

## Color Contrast Check

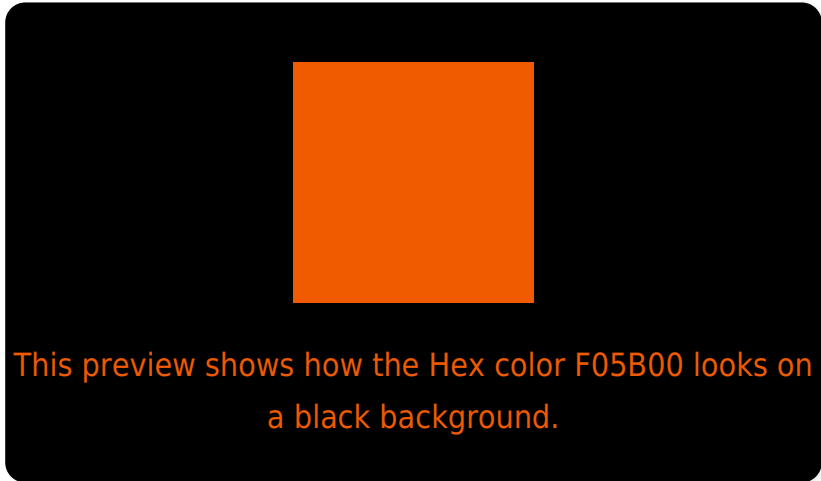
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# 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 F05B00 Background



This preview shows how black text looks on a background with the Hex color F05B00.



This preview shows how white text looks on a background with the Hex color F05B00.

# 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



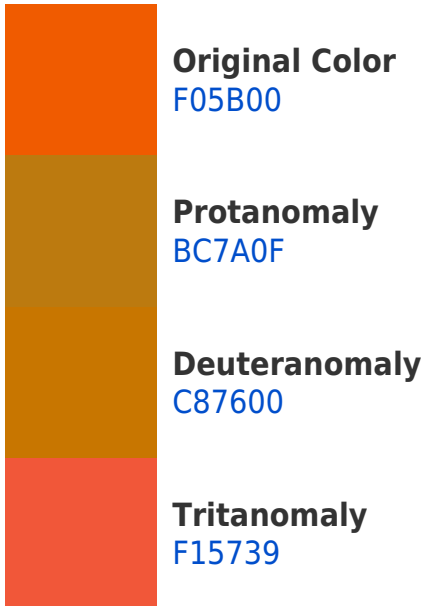
**Original Color**  
F05B00

**Protanopia**  
9E8C18

**Deuteranopia**  
B18500



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex F05B00 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 #F05B00 looks like.

```
.text, #text, p{  
    color:#F05B00  
}
```

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 #F05B00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F05B00
}
```

## Border

The CSS property to change the border of an element to Hex F05B00 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
#F05B00 }
```

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

```
.border{ border-color:#F05B00 }
```

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

Here you see how a box with a 4 pixel #F05B00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F05B00; -webkit-box-shadow:4px 4px  
4px 4px #F05B00; box-shadow:4px 4px 4px  
4px #F05B00 }
```

# Background

The CSS property to change the background color of an element to Hex F05B00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F05B00 }
```

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

```
.background{ background-color:#F05B00 }
```

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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