

# Converting Colors

Hex(F5AE16)

Have a look what the booklet for  
Hex(F5AE16) contains.

<b>Hex(F5AE16)</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(F5AE16)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5AE16
RGB	245, 174, 22
RGB Percent	96%, 68%, 9%
CMY	0.0392, 0.3176, 0.9137
CMYK	0.00, 0.29, 0.91, 0.04
HSL	41°, 92%, 52%
HSV	41°, 91%, 96%
XYZ	52.9371, 49.7425, 7.5702
YIQ	177.9010, 91.1080, -32.2200

# Conversions

## Conversions Part 2

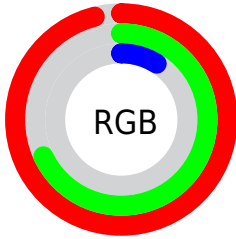
Format	Color
<a href="#">RYB</a>	<a href="#">126, 245, 22</a>
Decimal	<a href="#">16100886</a>
CIELab	<a href="#">75.91, 15.21, 76.23</a>
CIELCh	<a href="#">76, 77.731, 78.714</a>
Yxy	<a href="#">49.7425, 0.4802, 0.4512</a>
Android (android.graphics.Color)	<a href="#">4294290966 (0xFFFF5AE16)</a>
YUV	<a href="#">177.9010, -76.8592, 58.8458</a>
Hunter-Lab	<a href="#">70.5284, 10.5536, 43.0059</a>

# Details

The Hex color **F5AE16** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **165DF5**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **FFE558**, and **B77A00** is the 20% darker color. If you saturate the color by 10%, you get **F5A700**, and if you desaturate by 10%, it is **F5B62F**.

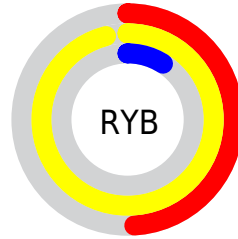
# Distribution



Red (96%)

Green (68%)

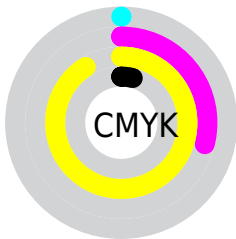
Blue (9%)



Red (49%)

Yellow (96%)

Blue (9%)

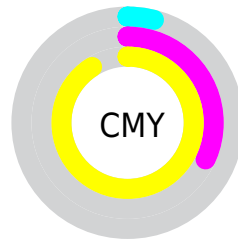


Cyan (0%)

Magenta (29%)

Yellow (91%)

Black (4%)



Cyan (4%)

Magenta (32%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F5AE16 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 F5AE16 by changing the saturation by 10% instead.



 F5AE16

 F5AE16

FFFFFF

 D69400

 FFE558

 B77A00

 FFFF74

 996100

 FFFF91

 7B4A00

 FFFFAD

 5E3300

 FFFFCA

 431E00

 FFFF7E

 290800

 000000

 F5AE16

 F5AE16

 F5A700

 F5B62F

 F5BE47

 F5C560

 F5CD78

 F5D591

 F5DDA9

 F5E5C2

 F5ECDA

 F5F4F3

# Harmonies

## Analogous

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



FF9050



F5AE16



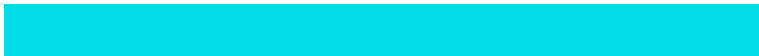
B4C516

# Triad

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



F5AE16



00DDE7



F693FF

# Complementary

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



F5AE16



165DF5

# 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.



83B3FF



F5AE16



00D8FF

# Square

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



F5AE16



00DB9D



00CBFF



FF77D9

# Rectangle

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



F5AE16



7DD040



00CBFF



D89EFF



# Sweetspot

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



F5AE16



FFE9BA



F51660



807357



000000



808080



# Same Dimension

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



F5AE16



FFAE00



D0F516



7A776E



BA7F00



3B2800



# Inverse Universe

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



165DF5



0051FF



3B16F5



6E727A



003BBA



00133B



# Previews

## White Background



This preview shows how the Hex color F5AE16 looks on a white background.

## Color Contrast Check

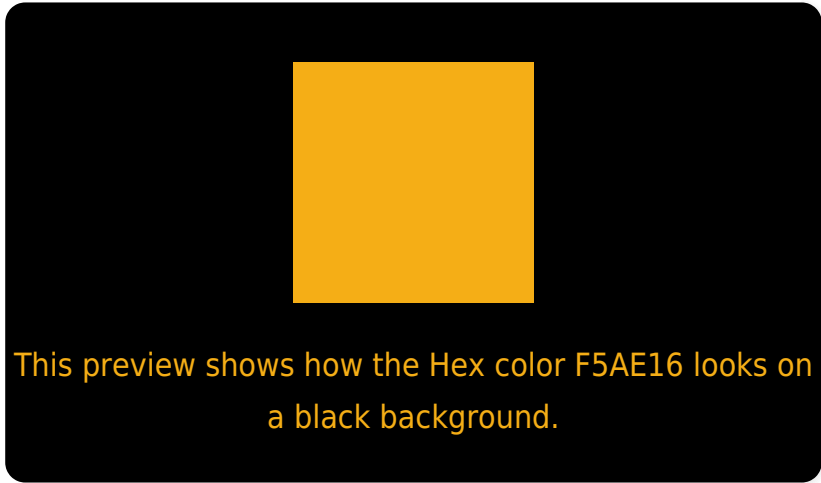
Large Text (above 18pt) WCAG AA × Fail

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 ✓ Pass

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



## Hex F5AE16 Background



This preview shows how black text looks on a background with the Hex color F5AE16.

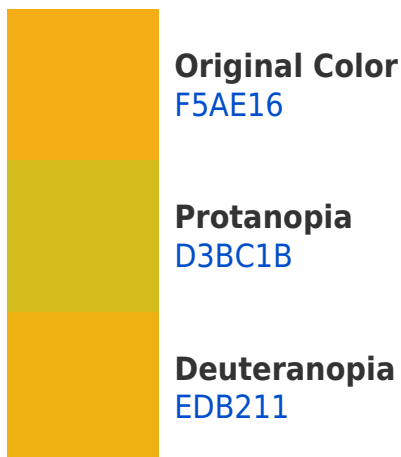


This preview shows how white text looks on a background with the Hex color F5AE16.

# Color Blindness Simulation

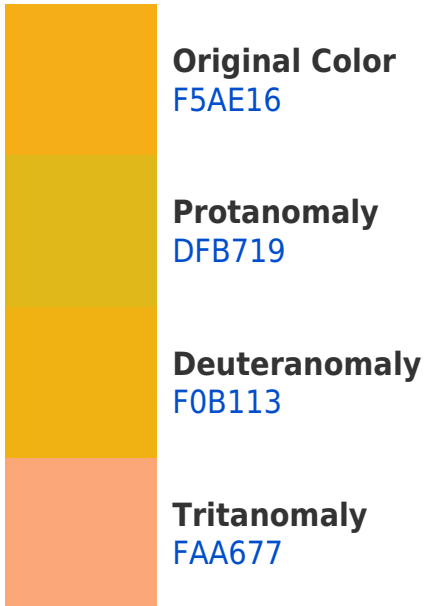
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

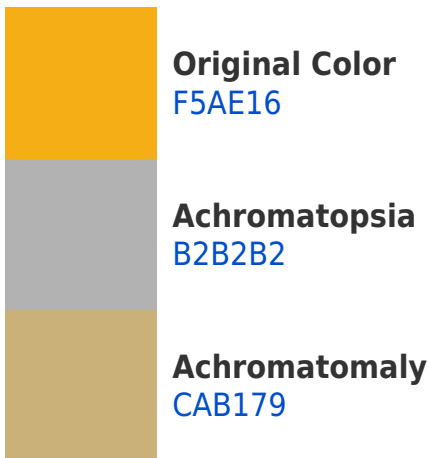




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex F5AE16 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 #F5AE16 looks like.

```
.text, #text, p{  
    color:#F5AE16  
}
```

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 #F5AE16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F5AE16
}
```

## Border

The CSS property to change the border of an element to Hex F5AE16 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
#F5AE16 }
```

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

```
.border{ border-color:#F5AE16 }
```

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

Here you see how a box with a 4 pixel #F5AE16 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F5AE16; -webkit-box-shadow:4px 4px  
4px 4px #F5AE16; box-shadow:4px 4px 4px  
4px #F5AE16 }
```

# Background

The CSS property to change the background color of an element to Hex F5AE16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F5AE16 }
```

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

```
.background{ background-color:#F5AE16 }
```

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