

# Converting Colors

Hex(EB8517)

Have a look what the booklet for  
Hex(EB8517) contains.

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# **Color**

**Hex(EB8517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB8517
RGB	235, 133, 23
RGB Percent	92%, 52%, 9%
CMY	0.0784, 0.4784, 0.9098
CMYK	0.00, 0.43, 0.90, 0.08
HSL	31°, 84%, 51%
HSV	31°, 90%, 92%
XYZ	42.8031, 34.4991, 5.2136
YIQ	150.9580, 96.1020, -12.5860

# Conversions

## Conversions Part 2

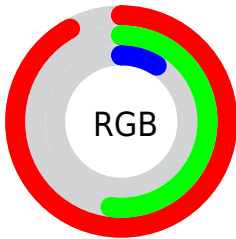
Format	Color
R <sub>Y</sub> B	220, 235, 23
Decimal	15435031
CIE Lab	65.36, 32.57, 67.64
CIE LCh	65, 75.079, 64.287
Yxy	34.4991, 0.5187, 0.4181
Android (android.graphics.Color)	4293625111 (0xFFEB8517)
YUV	150.9580, -63.0833, 73.7048
Hunter-Lab	58.7359, 27.2920, 35.8523

# Details

The Hex color **EB8517** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **177DEB**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **FFBB52**, and **AC5200** is the 20% darker color. If you saturate the color by 10%, you get **EB7A00**, and if you desaturate by 10%, it is **EB902F**.

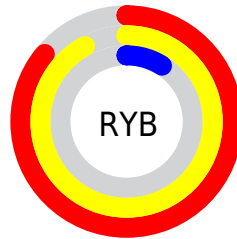
# Distribution



Red (92%)

Green (52%)

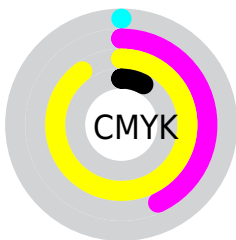
Blue (9%)



Red (86%)

Yellow (92%)

Blue (9%)

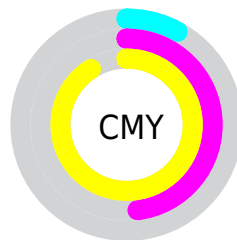


Cyan (0%)

Magenta (43%)

Yellow (90%)

Black (8%)



Cyan (8%)

Magenta (48%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color EB8517 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 EB8517 by changing the saturation by 10% instead.



 EB8517

 EB8517

FFFFFF

 CB6B00

 FFBB52

 AC5200

 FFD76D

 8E3A00

 FFF388

 702200

 FFFFA4

 530800

 FFFFC0

 370000

 FFFFDD

 190001

 FFFFFA

 000000

 EB8517

 EB8517

 EB7A00

 EB902F

 EB9C46

 EBA75E

 EBB275

 EBBE8D

 EBC9A4

 EBD4BB

 EBDFD3

 EBEBEB

# Harmonies

## Analogous

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



FF6757



EB8517



B59F00

# Triad

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



EB8517



00BDA7



AA88FF

# Complementary

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



EB8517



177DEB

# 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.



00A4FF



EB8517



00BCE9

# Square

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



EB8517



00B961



00B5FF



F667DA

# Rectangle

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



EB8517



89AB00



00B5FF



8292FF



# Sweetspot

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



EB8517



FFDEBA



EB177D



806C57



000000



808080



# Same Dimension

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



EB8517



FF8400



E7EB17



75706A



B55E00



361C00



# Inverse Universe

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



177DEB



007BFF



1B17EB



6A6F75



0057B5



001A36



# Previews

## White Background



This preview shows how the Hex color EB8517 looks on a white background.

## Color Contrast Check

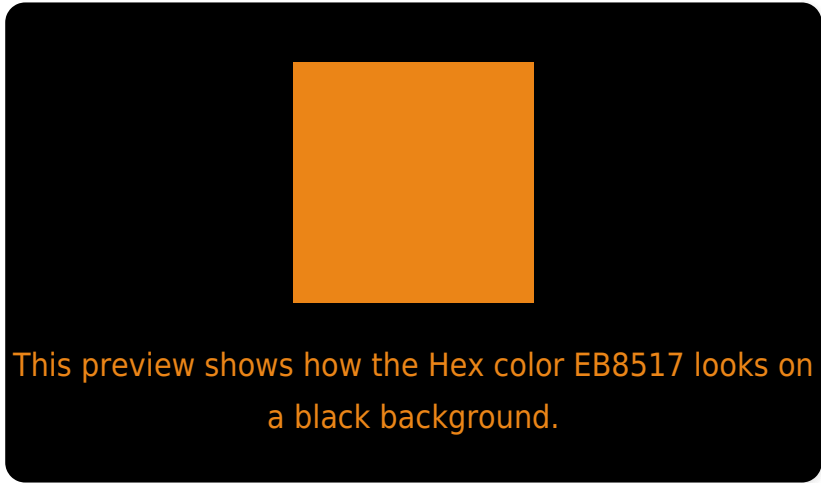
Large Text (above 18pt) WCAG AA × Fail

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 EB8517 Background



This preview shows how black text looks on a background with the Hex color EB8517.

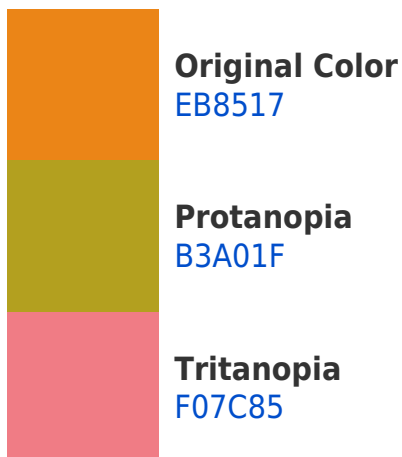


This preview shows how white text looks on a background with the Hex color EB8517.

# 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



**Original Color**  
EB8517

**Protanomaly**  
C7961C

**Tritanomaly**  
EE7F5D

# Monochromacy



**Original Color**  
EB8517

**Achromatopsia**  
979797

**Achromatomaly**  
B69068

# CSS Examples

## Text

The CSS property to change the color of the text to Hex EB8517 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 #EB8517 looks like.

```
.text, #text, p{  
    color:#EB8517  
}
```

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 #EB8517 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #EB8517
}
```

## Border

The CSS property to change the border of an element to Hex EB8517 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
#EB8517 }
```

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

```
.border{ border-color:#EB8517 }
```

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

Here you see how a box with a 4 pixel #EB8517 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #EB8517; -webkit-box-shadow:4px 4px  
4px 4px #EB8517; box-shadow:4px 4px 4px  
4px #EB8517 }
```

# Background

The CSS property to change the background color of an element to Hex EB8517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#EB8517 }
```

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

```
.background{ background-color:#EB8517 }
```

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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