

# Converting Colors

Hex(EB7A00)

Have a look what the booklet for  
Hex(EB7A00) contains.

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**Color**

**Hex(EB7A00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB7A00
RGB	235, 122, 0
RGB Percent	92%, 48%, 0%
CMY	0.0784, 0.5216, 1.0000
CMYK	0.00, 0.48, 1.00, 0.08
HSL	31°, 100%, 46%
HSV	31°, 100%, 92%
XYZ	41.2205, 31.5812, 3.9232
YIQ	141.8790, 106.5100, -13.9860

# Conversions

## Conversions Part 2

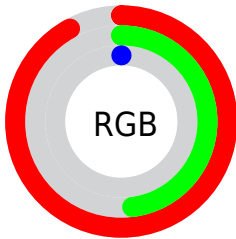
Format	Color
R <sub>Y</sub> B	218, 235, 0
Decimal	15432192
CIE Lab	63.00, 37.97, 70.14
CIE LCh	63, 79.759, 61.571
Yxy	31.5812, 0.5373, 0.4116
Android (android.graphics.Color)	4293622272 (0xFFEB7A00)
YUV	141.8790, -69.9463, 81.6671
Hunter-Lab	56.1972, 32.5842, 35.1989

# Details

The Hex color **EB7A00** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **0071EB**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **FFB046**, and **AC4700** is the 20% darker color. If you saturate the color by 10%, you get **EB7A00**, and if you desaturate by 10%, it is **EB8517**.

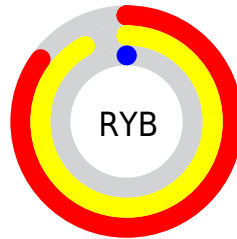
# Distribution



Red (92%)

Green (48%)

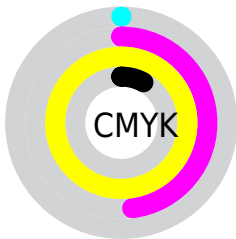
Blue (0%)



Red (85%)

Yellow (92%)

Blue (0%)

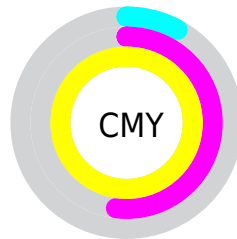


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (8%)



Cyan (8%)

Magenta (52%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color EB7A00 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 EB7A00 by changing the saturation by 10% instead.



 EB7A00

 EB7A00

FFFFFF

 CB6000

 FFB046

 AC4700

 FFCC62

 8D2E00

 FFE87D

 6E1400

 FFFF98

 510000

 FFFFB4

 360000

 FFFFD1

 120000

 FFFFEE

 000000

 EB7A00

 EB8517

 EB912F

 EB9C47

 EBA75E

 EBB376

 EBBE8D

 EBC9A4

 EBD4BC

 EBE0D3

# Harmonies

## Analogous

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



FF5753



EB7A00



B49700

# Triad

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



EB7A00



00B89A



9884FF

# Complementary

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



EB7A00



0071EB

# 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.



00A0FF



EB7A00



00B7E1

# Square

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



EB7A00



00B350



00B1FF



EF5EDD

# Rectangle

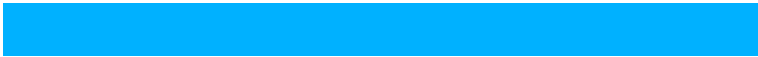
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



EB7A00



87A400



00B1FF



658EFF



# Sweetspot

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



EB7A00



FFDAB3



EB0072



806952



000000



808080



# Same Dimension

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



EB7A00



FF8400



E7EB00



75706A



B55E00



361C00



# Inverse Universe

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



0071EB



007BFF



0400EB



6A6F75



0057B5



001A36



# Previews

## White Background



This preview shows how the Hex color EB7A00 looks on a white background.

## Color Contrast Check

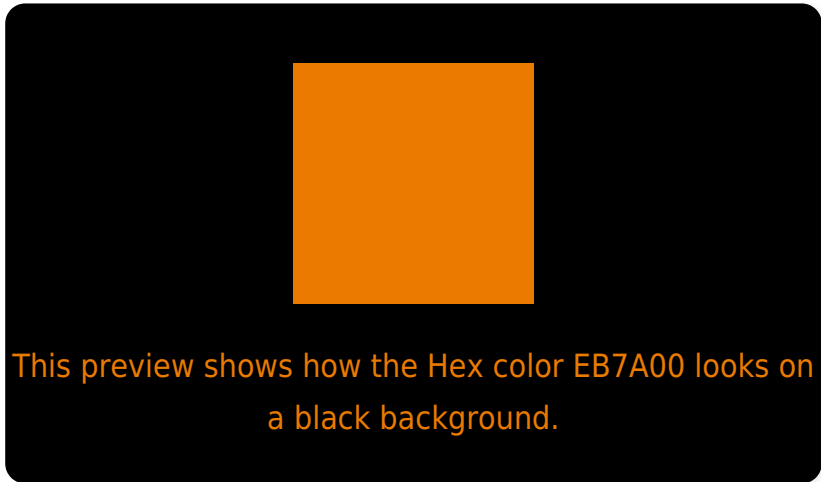
Large Text (above 18pt) WCAG AA × Fail

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 EB7A00 Background



This preview shows how black text looks on a background with the Hex color EB7A00.



This preview shows how white text looks on a background with the Hex color EB7A00.

# 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**  
EB7A00

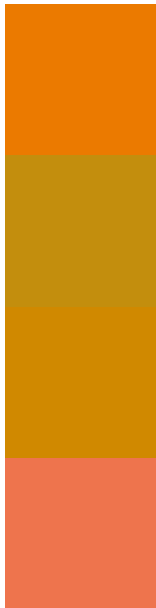
**Protanopia**  
AC9914

**Deuteranopia**  
C19100



**Tritanopia**  
EF7179

# Trichromacy



**Original Color**  
EB7A00

**Protanomaly**  
C38E0D

**Deuteranomaly**  
D08900

**Tritanomaly**  
EE744D

# Monochromacy



**Original Color**  
EB7A00

**Achromatopsia**  
8E8E8E

**Achromatomaly**  
B0875A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex EB7A00 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 #EB7A00 looks like.

```
.text, #text, p{  
    color:#EB7A00  
}
```

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 #EB7A00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #EB7A00
}
```

## Border

The CSS property to change the border of an element to Hex EB7A00 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
#EB7A00 }
```

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

```
.border{ border-color:#EB7A00 }
```

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

Here you see how a box with a 4 pixel #EB7A00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #EB7A00; -webkit-box-shadow:4px 4px  
4px 4px #EB7A00; box-shadow:4px 4px 4px  
4px #EB7A00 }
```

# Background

The CSS property to change the background color of an element to Hex EB7A00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#EB7A00 }
```

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

```
.background{ background-color:#EB7A00 }
```

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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