

# Converting Colors

Hex(E5AA00)

Have a look what the booklet for  
Hex(E5AA00) contains.

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**Color**

**Hex(E5AA00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5AA00
RGB	229, 170, 0
RGB Percent	90%, 67%, 0%
CMY	0.1020, 0.3333, 1.0000
CMYK	0.00, 0.26, 1.00, 0.10
HSL	45°, 100%, 45%
HSV	45°, 100%, 90%
XYZ	46.6878, 45.4075, 6.3038
YIQ	168.2610, 89.7340, -40.3620

# Conversions

## Conversions Part 2

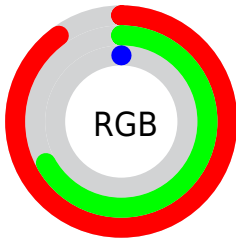
Format	Color
R <sub>Y</sub> B	79, 229, 0
Decimal	15051264
CIE Lab	73.16, 10.20, 76.35
CIE LCh	73, 77.031, 82.389
Yxy	45.4075, 0.4745, 0.4615
Android (android.graphics.Color)	4293241344 (0xFFE5AA00)
YUV	168.2610, -82.9527, 53.2681
Hunter-Lab	67.3851, 5.7501, 41.6230

# Details

The Hex color **E5AA00** 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 **003BE5**, and the grayscale version is **A9A9A9**.

A 20% lighter version of the original color is **FFE14F**, and **A87600** is the 20% darker color. If you saturate the color by 10%, you get **E5AA00**, and if you desaturate by 10%, it is **E5B017**.

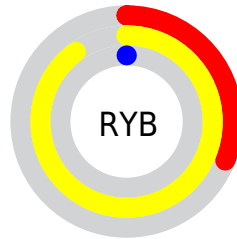
# Distribution



Red (90%)

Green (67%)

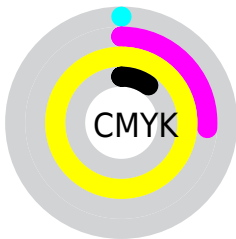
Blue (0%)



Red (31%)

Yellow (90%)

Blue (0%)

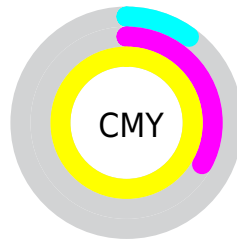


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (33%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E5AA00 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 E5AA00 by changing the saturation by 10% instead.



 E5AA00

 E5AA00

FFFFFF

 C69000

 FFE14F

 A87600

 FFFD6C

 8A5E00

 FFFF88

 6D4600

 FFFFA4

 513000

 FFFFC1

 361C00

 FFFFDE

 1F0300

 FFFFFC

 000000

 E5AA00

 E5B017

 E5B62E

 E5BC45

 E5C25C

 E5C773

 E5CD89

 E5D3A0

 E5D9B7

 E5DFCE

# Harmonies

## Analogous

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



FF8D43



E5AA00



A3C014

# Triad

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



E5AA00



00D4E7



F788FF

# Complementary

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



E5AA00



003BE5

# 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.



8FA9FF



E5AA00



00CFFF

# Square

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



E5AA00



00D39F



00C1FF



FF6EC9

# Rectangle

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



E5AA00



6AC941



00C1FF



DC93FF



# Sweetspot

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



E5AA00



FFEBB3



E5003D



807452



000000



808080



# Same Dimension

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



E5AA00



FFBD00



B0E500



737067



B38500



332600



# Inverse Universe

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



003BE5



0042FF



3500E5



676A73



002EB3



000D33



# Previews

## White Background



This preview shows how the Hex color E5AA00 looks on a white background.

## Color Contrast Check

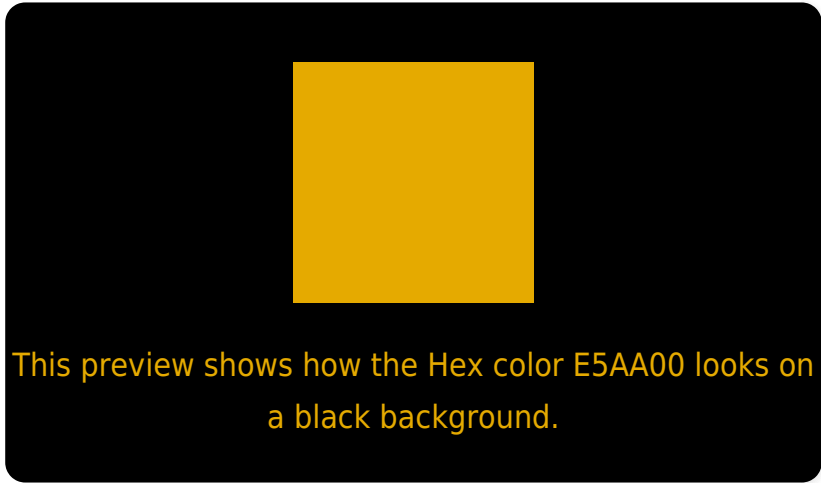
Large Text (above 18pt) WCAG AA × Fail

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 E5AA00 Background



This preview shows how black text looks on a background with the Hex color E5AA00.



This preview shows how white text looks on a background with the Hex color E5AA00.

# 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**  
E5AA00

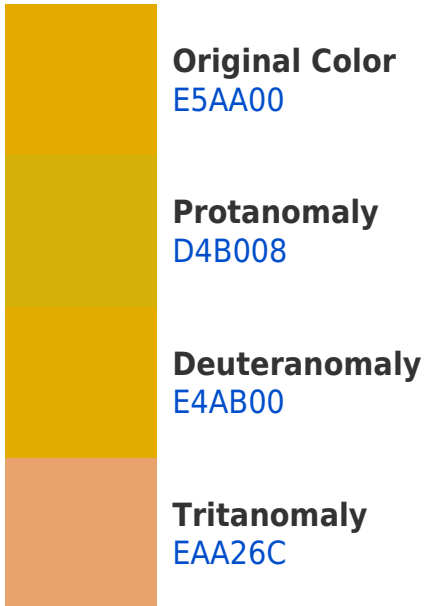
**Protanopia**  
CBB40D

**Deuteranopia**  
E4AB00

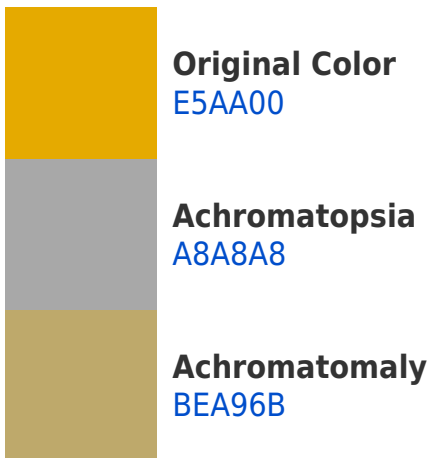


**Tritanopia**  
ED9EAA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex E5AA00 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 #E5AA00 looks like.

```
.text, #text, p{  
    color:#E5AA00  
}
```

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 #E5AA00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E5AA00
}
```

## Border

The CSS property to change the border of an element to Hex E5AA00 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
#E5AA00 }
```

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

```
.border{ border-color:#E5AA00 }
```

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

Here you see how a box with a 4 pixel #E5AA00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E5AA00; -webkit-box-shadow:4px 4px  
4px 4px #E5AA00; box-shadow:4px 4px 4px  
4px #E5AA00 }
```

# Background

The CSS property to change the background color of an element to Hex E5AA00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E5AA00 }
```

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

```
.background{ background-color:#E5AA00 }
```

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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