

# Converting Colors

Hex(E5871A)

Have a look what the booklet for  
Hex(E5871A) contains.

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# **Color**

**Hex(E5871A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5871A
RGB	229, 135, 26
RGB Percent	90%, 53%, 10%
CMY	0.1020, 0.4706, 0.8980
CMYK	0.00, 0.41, 0.89, 0.10
HSL	32°, 80%, 50%
HSV	32°, 89%, 90%
XYZ	41.1635, 34.0605, 5.3821
YIQ	150.6800, 91.0130, -13.9710

# Conversions

## Conversions Part 2

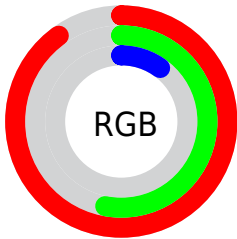
Format	Color
R <sub>Y</sub> B	201, 229, 26
Decimal	15042330
CIE Lab	65.01, 29.11, 66.27
CIE LCh	65, 72.385, 66.288
Yxy	34.0605, 0.5107, 0.4226
Android (android.graphics.Color)	4293232410 (0xFFE5871A)
YUV	150.6800, -61.4672, 68.6866
Hunter-Lab	58.3614, 23.7673, 35.3853

# Details

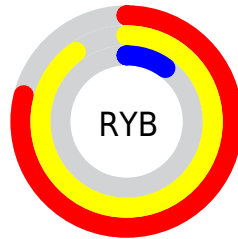
The Hex color **E5871A** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **1A78E5**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **FFBD54**, and **A75400** is the 20% darker color. If you saturate the color by 10%, you get **E57C03**, and if you desaturate by 10%, it is **E59231**.

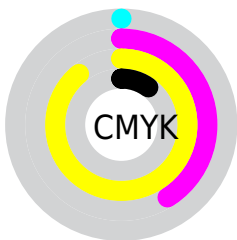
# Distribution



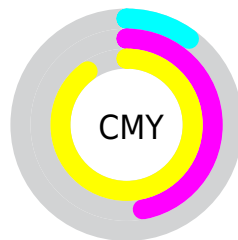
- Red (90%)
- Green (53%)
- Blue (10%)



- Red (79%)
- Yellow (90%)
- Blue (10%)



- Cyan (0%)
- Magenta (41%)
- Yellow (89%)
- Black (10%)



- Cyan (10%)
- Magenta (47%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E5871A 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 E5871A by changing the saturation by 10% instead.



 E5871A

 E5871A

FFFFFF

 C66D00

 FFBD54

 A75400

 FFD96F

 893C00

 FFF58A

 6B2500

 FFFFA6

 4E0D00

 FFFFC2

 330000

 FFFFDF

 120000

 FFFFFC

 000000

 E5871A

 E5871A

 E57C03

 E59231

 E57B00

 E59C48

 E5A75F

 E5B176

 E5BC8C

 E5C7A3

 E5D1BA

 E5DCD1

 E5E6E8

# Harmonies

## Analogous

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



FF6A55



E5871A



B09F00

# Triad

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



E5871A



00BCAA



B086FF

# Complementary

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



E5871A



1A78E5

# 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.



00A1FF



E5871A



00BAE9

# Square

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



E5871A



00B867



00B2FF



F568D3

# Rectangle

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



E5871A



85AB0D



00B2FF



8C90FF



# Sweetspot

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



E5871A



FFDFBA



E51A79



806D57



000000



808080



# Same Dimension

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



E5871A



FF8900



DEE51A



736D67



B36000



331B00



# Inverse Universe

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



1A78E5



0076FF



211AE5



676D73



0053B3



001833



# Previews

## White Background



This preview shows how the Hex color E5871A looks on a white background.

## Color Contrast Check

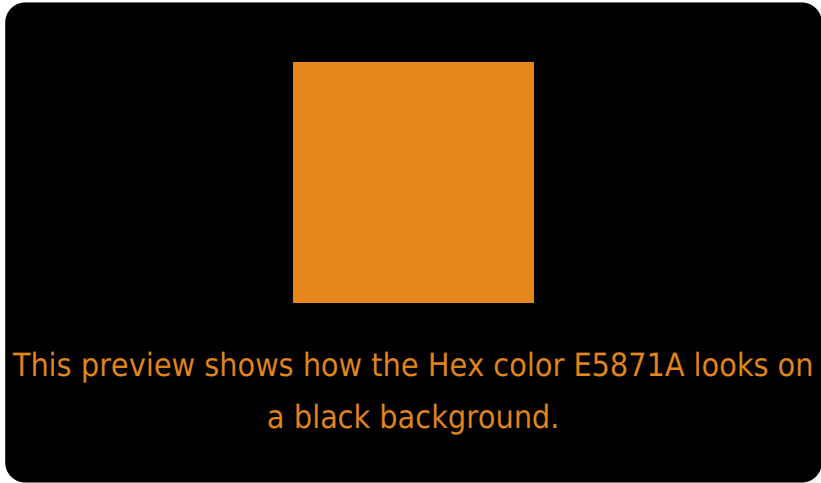
Large Text (above 18pt) WCAG AA × Fail

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 E5871A Background



This preview shows how black text looks on a background with the Hex color E5871A.



This preview shows how white text looks on a background with the Hex color E5871A.

# 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**  
E5871A

**Protanopia**  
B29F20

**Deuteranopia**  
C8960B



**Tritanopia**  
EA7E87

# Trichromacy



**Original Color**  
E5871A

**Protanomaly**  
C5961E

**Deuteranomaly**  
D39110

**Tritanomaly**  
E8815F

# Monochromacy



**Original Color**  
E5871A

**Achromatopsia**  
979797

**Achromatomaly**  
B3916A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E5871A 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 #E5871A looks like.

```
.text, #text, p{  
    color:#E5871A  
}
```

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 #E5871A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E5871A
}
```

## Border

The CSS property to change the border of an element to Hex E5871A 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
#E5871A }
```

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

```
.border{ border-color:#E5871A }
```

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

Here you see how a box with a 4 pixel #E5871A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E5871A; -webkit-box-shadow:4px 4px  
4px 4px #E5871A; box-shadow:4px 4px 4px  
4px #E5871A }
```

# Background

The CSS property to change the background color of an element to Hex E5871A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E5871A }
```

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

```
.background{ background-color:#E5871A }
```

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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