

# Converting Colors

Hex(E55700)

Have a look what the booklet for  
Hex(E55700) contains.

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**Color**

**Hex(E55700)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E55700
RGB	229, 87, 0
RGB Percent	90%, 34%, 0%
CMY	0.1020, 0.6588, 1.0000
CMYK	0.00, 0.62, 1.00, 0.10
HSL	23°, 100%, 45%
HSV	23°, 100%, 90%
XYZ	35.7213, 23.4744, 2.6483
YIQ	119.5400, 112.5590, 3.0470

# Conversions

## Conversions Part 2

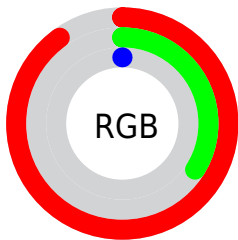
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 140, 0
Decimal	15030016
CIE Lab	55.56, 52.39, 65.43
CIE LCh	56, 83.818, 51.315
Yxy	23.4744, 0.5776, 0.3796
Android (android.graphics.Color)	4293220096 (0xFFE55700)
YUV	119.5400, -58.9332, 95.9964
Hunter-Lab	48.4504, 46.8155, 30.6745

# Details

The Hex color **E55700** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **008EE5**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **FF8E40**, and **A51D00** is the 20% darker color. If you saturate the color by 10%, you get **E55700**, and if you desaturate by 10%, it is **E56517**.

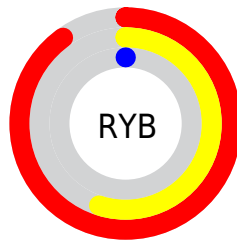
# Distribution



Red (90%)

Green (34%)

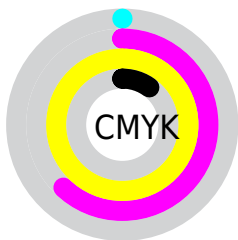
Blue (0%)



Red (90%)

Yellow (55%)

Blue (0%)

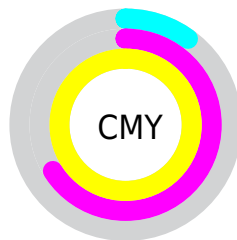


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (66%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E55700 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 E55700 by changing the saturation by 10% instead.



 E55700

 E55700

FFFFFF

 C53B00

 FF8E40

 A51D00

 FFA95A

 850000

 FFC675

 660000

 FFE390

 490000

 FFFFAB

 2D0001

 FFFFC7

 000000

 FFFF E4

 E55700

 E56517

 E5732E

 E58245

 E5905C

 E59E73

 E5AC89

 E5BAA0

 E5C9B7

 E5D7CE

# Harmonies

## Analogous

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



FF2655



E55700



B37B00

# Triad

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



E55700



00A26D



3B7BFF

# Complementary

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



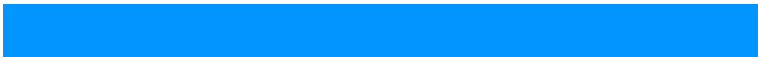
E55700



008EE5

# 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.



0095FF



E55700



00A4B8

# Square

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



E55700



009D19



00A1F7



C553E1

# Rectangle

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



E55700



888B00



00A1F7



0086FF



# Sweetspot

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



E55700



FFD0B3



E50091



806352



000000



808080



# Same Dimension

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



E55700



FF6100



E5C600



736C67



B34400



331300



# Inverse Universe

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



008EE5



009EFF



001FE5



676E73



006FB3



002033



# Previews

## White Background



This preview shows how the Hex color E55700 looks on a white background.

## Color Contrast Check

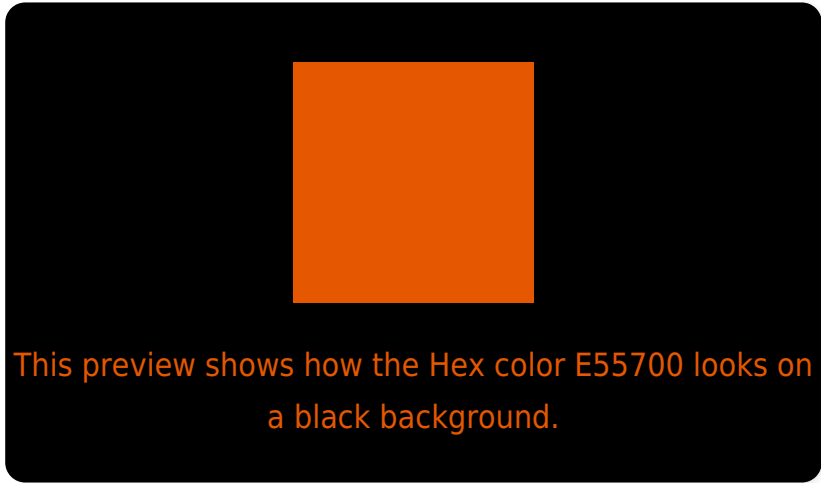
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex E55700 Background



This preview shows how black text looks on a background with the Hex color E55700.



This preview shows how white text looks on a background with the Hex color E55700.

# 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**  
E5700

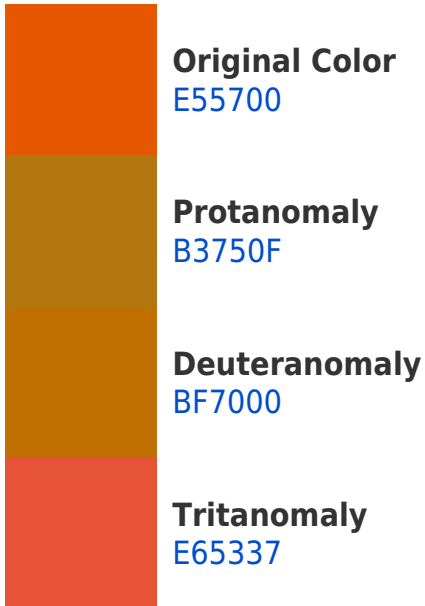
**Protanopia**  
978617

**Deuteranopia**  
A97F00



**Tritanopia**  
E75156

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex E55700 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 #E55700 looks like.

```
.text, #text, p{  
    color:#E55700  
}
```

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 #E55700 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E55700
}
```

## Border

The CSS property to change the border of an element to Hex E55700 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
#E55700 }
```

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

```
.border{ border-color:#E55700 }
```

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

Here you see how a box with a 4 pixel #E55700 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E55700; -webkit-box-shadow:4px 4px  
4px 4px #E55700; box-shadow:4px 4px 4px  
4px #E55700 }
```

# Background

The CSS property to change the background color of an element to Hex E55700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E55700 }
```

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

```
.background{ background-color:#E55700 }
```

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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