

Converting Colors

CIELCh(58, 67.256, 43.978)

Have a look what the booklet for
CIELCh(58, 67.256, 43.978) contains.

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Color

CIELCh(58, 67.178, 44.122)

Conversions

Conversions Part 1

Format	Color
Hex	E5633B
RGB	229, 99, 59
RGB Percent	90%, 39%, 23%
CMY	0.1012, 0.6111, 0.7681
CMYK	0.00, 0.57, 0.74, 0.10
HSL	14°, 77%, 57%
HSV	14°, 74%, 90%
XYZ	37.6444, 25.9610, 7.1844
YIQ	133.3100, 90.3200, 15.1200

Conversions

Conversions Part 2

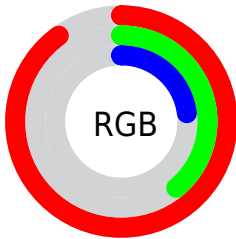
Format	Color
R _Y B	229, 111, 59
Decimal	15033147
CIE _{Lab}	58.00, 48.22, 46.77
CIE _{LCh}	58, 67.178, 44.122
Yxy	25.9610, 0.5318, 0.3667
Android (android.graphics.Color)	4293223227 (0xFFE5633B)
YUV	133.3100, -36.6348, 83.9201
Hunter-Lab	50.9519, 42.7139, 27.3063

Details

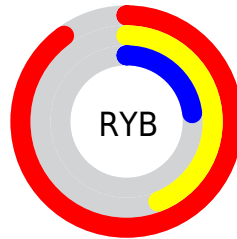
The CIELCh color **58, 67.178, 44.122** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **72, 37.162, 233.871**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 52.307, 49.460**, and **38, 66.994, 44.199** is the 20% darker color. If you saturate the color by 10%, you get **55, 77.659, 44.639**, and if you desaturate by 10%, it is **62, 56.381, 43.552**.

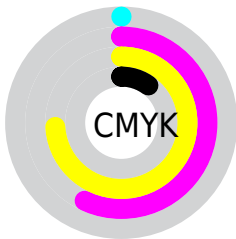
Distribution



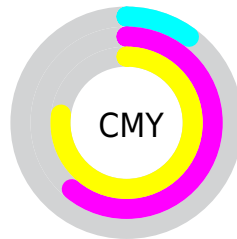
- Red (90%)
- Green (39%)
- Blue (23%)



- Red (90%)
- Yellow (44%)
- Blue (23%)



- Cyan (0%)
- Magenta (57%)
- Yellow (74%)
- Black (10%)



- Cyan (10%)
- Magenta (61%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 67.178, 44.122 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 CIELCh color 58, 67.178, 44.122 by changing the saturation by 10% instead.


 58, 67.178, 44.122


 58, 67.178, 44.122

 100, 67.178,
44.122

 48, 67.178, 44.122


 78, 67.178, 44.122

 38, 67.178, 44.122

 88, 67.178, 44.122

 28, 67.178, 44.122

 98, 67.178, 44.122

 18, 67.178, 44.122

 8, 67.178, 44.122

 0, 67.178, 44.122

 58, 67.178, 44.122

 58, 67.178, 44.122

 55, 77.659, 44.639

 62, 56.381, 43.552

 52, 86.501, 44.590

 66, 45.889, 43.120

51, 90.556, 44.315

70, 35.964, 42.878

74, 26.703, 42.819

79, 18.126, 42.912

84, 10.206, 43.115

89, 2.895, 43.294

94, 3.865, 224.044

98, 8.790, 198.925

Harmonies

Complementary

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



58, 67.178, 44.122



72, 37.162, 233.871

Rectangle

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



58, 67.178, 44.122



58, 67.178, 94.122



58, 67.178, 224.122



58, 67.178, 274.122

Sweetspot

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



58, 67.176, 44.125



88, 17.821, 42.946



56, 82.025, 337.380



45, 12.110, 42.902



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



58, 67.176, 44.125



59, 89.647, 44.732



77, 65.915, 86.254



46, 4.011, 43.228



40, 74.679, 44.764



9, 23.140, 35.629

Inverse Universe

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



72, 37.162, 233.871



76, 43.630, 239.316



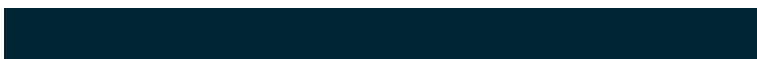
48, 73.096, 291.998



47, 3.789, 224.177



53, 34.467, 243.059



14, 14.098, 235.264

Previews

White Background



This preview shows how the CIELCh color 58, 67.178, 44.122 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



This preview shows how the CIELCh color 58, 67.178, 44.122 looks on a 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](#).

CIELCh 58, 67.178, 44.122

Background



This preview shows how black text looks on a background with the CIELCh color 58, 67.178, 44.122.



This preview shows how white text looks on a background with the CIELCh color 58, 67.178, 44.122.

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

58, 67.178, 44.122

Protanopia

58, 38.057, 96.084

Deuteranopia

58, 49.228, 81.039



Tritanopia
58, 58.816, 24.339

Trichromacy



Original Color
58, 67.178, 44.122

Protanomaly
57, 42.781, 68.375

Deuteranomaly
58, 52.780, 63.899

Tritanomaly
58, 60.855, 32.507

Monochromacy



Original Color
58, 67.178, 44.122

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 22.496, 43.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 67.178, 44.122 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 `rgb(229, 99, 59)` looks like.

```
.text, #text, p{  
    color:rgb(229, 99, 59)  
}
```

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 rgb(229, 99, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 99, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 67.178, 44.122 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 rgb(229, 99, 59) }
```

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

```
.border{ border-color:rgb(229, 99, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 99, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 99, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 99, 59);  
box-shadow:4px 4px 4px 4px rgb(229, 99,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 67.178, 44.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 99, 59) }
```

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

```
.background{ background-color: rgb(229, 99,  
59) }
```

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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