

Converting Colors

CIELCh(58, 72.418, 52.813)

Have a look what the booklet for
CIELCh(58, 72.418, 52.813) contains.

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Color

CIELCh(58, 72.437, 53.081)

Conversions

Conversions Part 1

Format	Color
Hex	E16822
RGB	225, 104, 34
RGB Percent	88%, 41%, 13%
CMY	0.1184, 0.5927, 0.8673
CMYK	0.00, 0.54, 0.85, 0.12
HSL	22°, 76%, 51%
HSV	22°, 85%, 88%
XYZ	36.2135, 25.9610, 4.6034
YIQ	132.1990, 94.5860, 3.8820

Conversions

Conversions Part 2

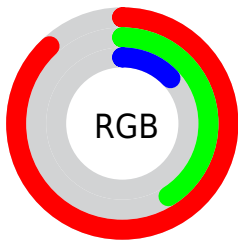
Format	Color
R _{YB}	225, 144, 34
Decimal	14772258
CIE _{Lab}	58.00, 43.51, 57.91
CIE _{LCh}	58, 72.437, 53.081
Yxy	25.9610, 0.5423, 0.3888
Android (android.graphics.Color)	4292962338 (0xFFE16822)
YUV	132.1990, -48.4121, 81.3865
Hunter-Lab	50.9519, 37.7011, 30.3096

Details

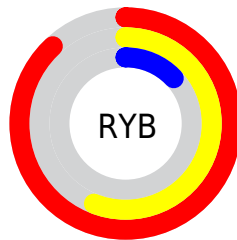
The CIELCh color **58, 72.437, 53.081** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **61, 44.913, 260.651**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 59.909, 59.973**, and **38, 66.339, 48.824** is the 20% darker color. If you saturate the color by 10%, you get **55, 80.058, 51.504**, and if you desaturate by 10%, it is **61, 63.144, 53.998**.

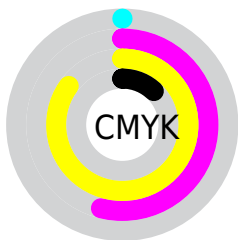
Distribution



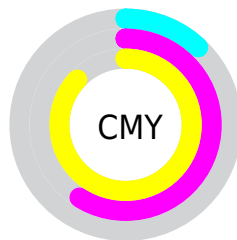
- Red (88%)
- Green (41%)
- Blue (13%)



- Red (88%)
- Yellow (56%)
- Blue (13%)



- Cyan (0%)
- Magenta (54%)
- Yellow (85%)
- Black (12%)



- Cyan (12%)
- Magenta (59%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 72.437, 53.081 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, 72.437, 53.081 by changing the saturation by 10% instead.

58, 72.437, 53.081

58, 72.437, 53.081

100, 72.437,
53.081

48, 72.437, 53.081

78, 72.437, 53.081

38, 72.437, 53.081

88, 72.437, 53.081

28, 72.437, 53.081

98, 72.437, 53.081

18, 72.437, 53.081

8, 72.437, 53.081

0, 72.437, 53.081

58, 72.437, 53.081

58, 72.437, 53.081

55, 80.058, 51.504

61, 63.144, 53.998

54, 83.248, 50.549

64, 53.382, 54.674

68, 43.778, 55.316

71, 34.610, 56.003

75, 25.979, 56.755

79, 17.904, 57.566

83, 10.363, 58.414

87, 3.314, 59.212

92, 3.291, 240.441

Harmonies

Complementary

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



58, 72.437, 53.081



61, 44.913, 260.651

Rectangle

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



58, 72.437, 53.081



58, 72.437, 103.081



58, 72.437, 233.081



58, 72.437, 283.081

Sweetspot

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



58, 72.435, 53.084



89, 19.888, 57.547



51, 79.606, 345.659



46, 13.738, 57.255



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, 72.435, 53.084



61, 91.793, 50.288



79, 75.792, 93.638



45, 3.858, 58.877



43, 68.925, 51.163



10, 20.272, 45.924

Inverse Universe

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



61, 44.913, 260.651



64, 55.932, 268.577



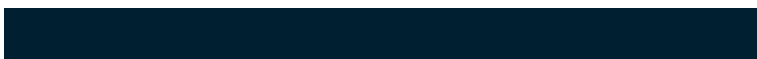
36, 97.409, 300.661



45, 3.698, 240.855



45, 41.644, 267.271



10, 15.372, 257.207

Previews

White Background



This preview shows how the CIELCh color 58, 72.437, 53.081 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, 72.437, 53.081 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, 72.437, 53.081

Background



This preview shows how black text looks on a background with the CIELCh color 58, 72.437, 53.081.



This preview shows how white text looks on a background with the CIELCh color 58, 72.437, 53.081.

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, 72.437, 53.081

Protanopia

58, 51.615, 95.267

Deuteranopia

58, 60.690, 83.029



Tritanopia
58, 55.603, 23.049

Trichromacy



Original Color
58, 72.437, 53.081

Protanomaly
57, 54.479, 75.532

Deuteranomaly
58, 62.699, 70.271

Tritanomaly
58, 60.213, 37.003

Monochromacy



Original Color
58, 72.437, 53.081

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 25.039, 56.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 72.437, 53.081 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(225, 104, 34)` looks like.

```
.text, #text, p{  
    color:rgb(225, 104, 34)  
}
```

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(225, 104, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 104, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 72.437, 53.081 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(225, 104, 34) }
```

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

```
.border{ border-color:rgb(225, 104, 34) }
```

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

Here you see how a box with a 4 pixel rgb(225, 104, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 104, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 104, 34);  
box-shadow:4px 4px 4px 4px rgb(225, 104,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 72.437, 53.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 104, 34) }
```

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

```
.background{ background-color: rgb(225,  
104, 34) }
```

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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