

Converting Colors

CIELCh(58, 65.894, 49.486)

Have a look what the booklet for
CIELCh(58, 65.894, 49.486) contains.

CIELCh(58, 65.881, 49.458)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(58, 65.881, 49.458)

Conversions

Conversions Part 1

Format	Color
Hex	DF6934
RGB	223, 105, 52
RGB Percent	87%, 41%, 20%
CMY	0.1264, 0.5890, 0.7968
CMYK	0.00, 0.53, 0.77, 0.13
HSL	19°, 73%, 54%
HSV	19°, 77%, 87%
XYZ	36.0075, 25.9610, 6.3406
YIQ	134.2400, 87.3410, 8.5330

Conversions

Conversions Part 2

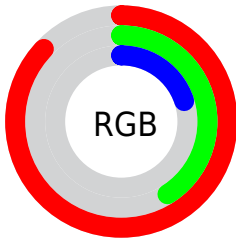
Format	Color
R_{YB}	223, 129, 52
Decimal	14641460
CIE _{Lab}	58.00, 42.82, 50.06
CIE _{LCh}	58, 65.881, 49.458
Yxy	25.9610, 0.5271, 0.3801
Android (android.graphics.Color)	4292831540 (0xFFDF6934)
YUV	134.2400, -40.5443, 77.8425
Hunter-Lab	50.9519, 36.9792, 28.2881

Details

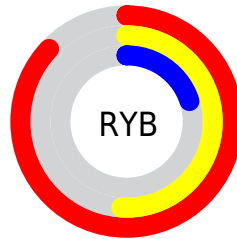
The CIELCh color **58, 65.881, 49.458** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **66, 38.812, 247.806**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 53.816, 55.521**, and **38, 65.731, 49.279** is the 20% darker color. If you saturate the color by 10%, you get **55, 75.425, 49.034**, and if you desaturate by 10%, it is **61, 55.784, 49.649**.

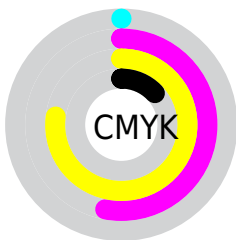
Distribution



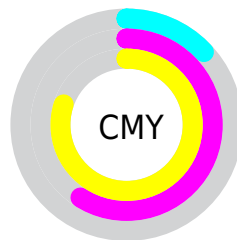
- Red (87%)
- Green (41%)
- Blue (20%)



- Red (87%)
- Yellow (51%)
- Blue (20%)



- Cyan (0%)
- Magenta (53%)
- Yellow (77%)
- Black (13%)



- Cyan (13%)
- Magenta (59%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 65.881, 49.458 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, 65.881, 49.458 by changing the saturation by 10% instead.

 58, 65.881, 49.458

 58, 65.881, 49.458

 100, 65.881,
49.458

 48, 65.881, 49.458

 78, 65.881, 49.458


 38, 65.881, 49.458


 88, 65.881, 49.458

 28, 65.881, 49.458

 98, 65.881, 49.458

 18, 65.881, 49.458

 8, 65.881, 49.458

 0, 65.881, 49.458

 58, 65.881, 49.458

 58, 65.881, 49.458

 55, 75.425, 49.034

 61, 55.784, 49.649

 52, 83.080, 47.875

 65, 45.852, 49.844

52, 85.299, 47.503

69, 36.394, 50.134

73, 27.526, 50.536

77, 19.273, 51.040

81, 11.613, 51.619

86, 4.503, 52.208

90, 2.111, 233.292

95, 8.281, 233.835

Harmonies

Complementary

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



58, 65.881, 49.458



66, 38.812, 247.806

Rectangle

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



58, 65.881, 49.458



58, 65.881, 99.458



58, 65.881, 229.458



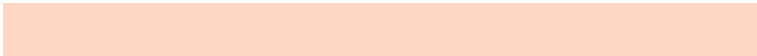
58, 65.881, 279.458

Sweetspot

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



58, 65.879, 49.461



89, 18.248, 51.240



53, 78.209, 341.210



46, 12.808, 51.036



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, 65.879, 49.461



61, 88.941, 48.464



77, 68.663, 91.015



45, 3.856, 52.058



41, 71.101, 48.037



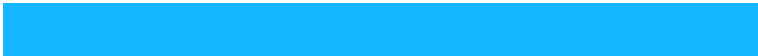
9, 20.871, 40.629

Inverse Universe

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



66, 38.812, 247.806



70, 47.965, 254.965



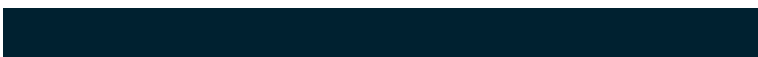
42, 81.396, 296.207



45, 3.669, 233.638



48, 37.607, 257.759



11, 14.371, 248.024

Previews

White Background



This preview shows how the CIELCh color 58, 65.881, 49.458 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, 65.881, 49.458 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, 65.881, 49.458

Background



This preview shows how black text looks on a background with the CIELCh color 58, 65.881, 49.458.



This preview shows how white text looks on a background with the CIELCh color 58, 65.881, 49.458.

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, 65.881, 49.458

Protanopia

58, 43.068, 95.899

Deuteranopia

58, 52.102, 81.929



Tritanopia
58, 53.832, 22.587

Trichromacy



Original Color
58, 65.881, 49.458

Protanomaly
57, 46.606, 72.997

Deuteranomaly
58, 54.514, 67.902

Tritanomaly
58, 56.740, 34.230

Monochromacy



Original Color
58, 65.881, 49.458

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 22.038, 50.166

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 65.881, 49.458 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(223, 105, 52)` looks like.

```
.text, #text, p{  
    color:rgb(223, 105, 52)  
}
```

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(223, 105, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 105, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 65.881, 49.458 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(223, 105, 52) }
```

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

```
.border{ border-color:rgb(223, 105, 52) }
```

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

Here you see how a box with a 4 pixel rgb(223, 105, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 105, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 105, 52);  
box-shadow:4px 4px 4px 4px rgb(223, 105,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 65.881, 49.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 105, 52) }
```

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

```
.background{ background-color: rgb(223,  
105, 52) }
```

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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