

Converting Colors

CIELCh(58, 61.820, 64.641)

Have a look what the booklet for
CIELCh(58, 61.820, 64.641) contains.

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Color

CIELCh(58, 61.756, 64.532)

Conversions

Conversions Part 1

Format	Color
Hex	CA7724
RGB	202, 119, 36
RGB Percent	79%, 47%, 14%
CMY	0.2069, 0.5325, 0.8580
CMYK	0.00, 0.41, 0.82, 0.21
HSL	30°, 70%, 47%
HSV	30°, 82%, 79%
XYZ	31.3655, 25.9610, 5.0444
YIQ	134.3550, 76.1110, -8.2170

Conversions

Conversions Part 2

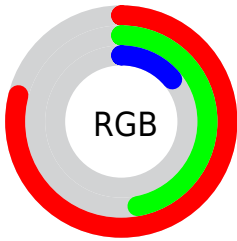
Format	Color
R _Y B	202, 202, 36
Decimal	13268772
CIE Lab	58.00, 26.56, 55.75
CIE LCh	58, 61.756, 64.532
Yxy	25.9610, 0.5029, 0.4162
Android (android.graphics.Color)	4291458852 (0xFFCA7724)
YUV	134.3550, -48.4890, 59.3247
Hunter-Lab	50.9519, 20.7169, 29.7964

Details

The CIELCh color **58, 61.756, 64.532** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark muted orange. A complement of this color would be **49, 50.197, 276.373**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 59.048, 67.290**, and **38, 55.050, 60.882** is the 20% darker color. If you saturate the color by 10%, you get **56, 67.949, 62.390**, and if you desaturate by 10%, it is **60, 54.176, 66.175**.

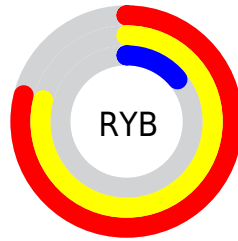
Distribution



Red (79%)

Green (47%)

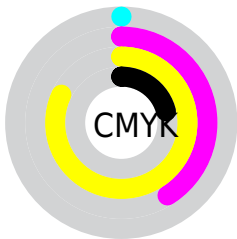
Blue (14%)



Red (79%)

Yellow (79%)

Blue (14%)

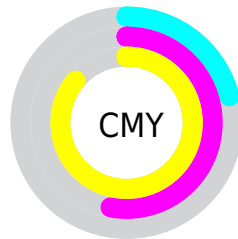


Cyan (0%)

Magenta (41%)

Yellow (82%)

Black (21%)



Cyan (21%)

Magenta (53%)

Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 61.756, 64.532 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, 61.756, 64.532 by changing the saturation by 10% instead.


 58, 61.756, 64.532

 58, 61.756, 64.532

 100, 61.756,
64.532

 48, 61.756, 64.532

 78, 61.756, 64.532

 38, 61.756, 64.532

 88, 61.756, 64.532

 28, 61.756, 64.532

 98, 61.756, 64.532

 18, 61.756, 64.532

 8, 61.756, 64.532

 0, 61.756, 64.532

 58, 61.756, 64.532

 58, 61.756, 64.532

 56, 67.949, 62.390

 60, 54.176, 66.175

 54, 71.678, 60.329

 63, 46.066, 67.581

66, 37.914, 68.891

69, 29.963, 70.166

72, 22.314, 71.426

75, 15.000, 72.672

78, 8.018, 73.890

81, 1.350, 74.879

84, 5.034, 256.418

Harmonies

Complementary

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



58, 61.756, 64.532



49, 50.197, 276.373

Rectangle

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



58, 61.756, 64.532



58, 61.756, 114.532



58, 61.756, 244.532



58, 61.756, 294.532

Sweetspot

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



58, 61.755, 64.535



91, 20.648, 72.269



46, 68.006, 354.507



47, 14.207, 71.825



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, 61.755, 64.535



67, 85.111, 60.053



78, 75.131, 102.393



41, 3.765, 74.206



45, 61.648, 60.912



8, 14.350, 57.834

Inverse Universe

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



49, 50.197, 276.373



55, 72.887, 284.577



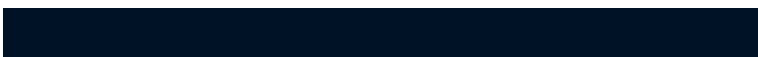
30, 98.755, 303.839



41, 3.683, 256.682



36, 51.880, 283.659



6, 15.145, 271.171

Previews

White Background



This preview shows how the CIELCh color 58, 61.756, 64.532 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, 61.756, 64.532 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, 61.756, 64.532

Background



This preview shows how black text looks on a background with the CIELCh color 58, 61.756, 64.532.



This preview shows how white text looks on a background with the CIELCh color 58, 61.756, 64.532.

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, 61.756, 64.532

Protanopia

58, 52.008, 95.283

Deuteranopia

58, 57.286, 82.758



Tritanopia
58, 40.156, 18.146

Trichromacy



Original Color
58, 61.756, 64.532

Protanomaly
58, 53.068, 82.646

Deuteranomaly
58, 58.355, 75.563

Tritanomaly
58, 44.576, 41.521

Monochromacy



Original Color
58, 61.756, 64.532

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 21.828, 70.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 61.756, 64.532 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(202, 119, 36)` looks like.

```
.text, #text, p{  
    color:rgb(202, 119, 36)  
}
```

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(202, 119, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 119, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 61.756, 64.532 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(202, 119, 36) }
```

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

```
.border{ border-color:rgb(202, 119, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 119, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 119, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 119, 36);  
box-shadow:4px 4px 4px 4px rgb(202, 119,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 61.756, 64.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 119, 36) }
```

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

```
.background{ background-color: rgb(202,  
119, 36) }
```

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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