

Converting Colors

CIELCh(64, 61.479, 70.528)

Have a look what the booklet for
CIELCh(64, 61.479, 70.528) contains.

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Color

CIELCh(64, 61.589, 70.285)

Conversions

Conversions Part 1

Format	Color
Hex	D58B2E
RGB	213, 139, 46
RGB Percent	84%, 55%, 18%
CMY	0.1648, 0.4549, 0.8197
CMYK	0.00, 0.35, 0.78, 0.16
HSL	33°, 67%, 51%
HSV	33°, 78%, 84%
XYZ	37.1588, 32.8017, 6.9560
YIQ	150.5240, 73.9570, -13.2350

Conversions

Conversions Part 2

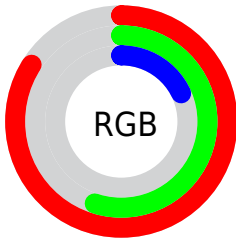
Format	Color
RYB	179, 213, 46
Decimal	13994798
CIELab	64.00, 20.78, 57.98
CIElCh	64, 61.589, 70.285
Yxy	32.8017, 0.4831, 0.4265
Android (android.graphics.Color)	4292184878 (0xFFD58B2E)
YUV	150.5240, -51.5303, 54.7915
Hunter-Lab	57.2727, 15.5843, 32.8899

Details

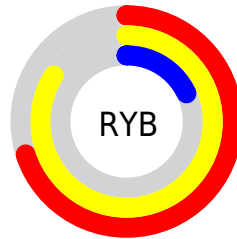
The CIELCh color **64, 61.589, 70.285** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **50, 55.198, 280.595**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 56.409, 77.178**, and **44, 56.672, 68.265** is the 20% darker color. If you saturate the color by 10%, you get **62, 68.027, 68.214**, and if you desaturate by 10%, it is **66, 53.858, 71.983**.

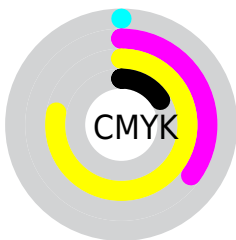
Distribution



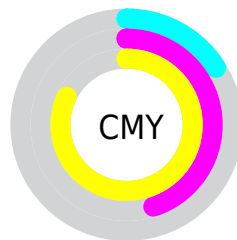
- Red (84%)
- Green (55%)
- Blue (18%)



- Red (70%)
- Yellow (84%)
- Blue (18%)



- Cyan (0%)
- Magenta (35%)
- Yellow (78%)
- Black (16%)



- Cyan (16%)
- Magenta (45%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 61.589, 70.285 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 64, 61.589, 70.285 by changing the saturation by 10% instead.

64, 61.589, 70.285

64, 61.589, 70.285

100, 61.589,
70.285

54, 61.589, 70.285

84, 61.589, 70.285

44, 61.589, 70.285

94, 61.589, 70.285

34, 61.589, 70.285

24, 61.589, 70.285

14, 61.589, 70.285

4, 61.589, 70.285

0, 61.589, 70.285

64, 61.589, 70.285

64, 61.589, 70.285

62, 68.027, 68.214

66, 53.858, 71.983

60, 72.397, 65.530

69, 45.604, 73.493

59, 73.048, 65.108

72, 37.265, 74.915

74, 29.066, 76.293

77, 21.106, 77.638

80, 13.421, 78.951

83, 6.014, 80.210

86, 1.129, 261.820

89, 8.028, 262.774

Harmonies

Complementary

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



64, 61.589, 70.285



50, 55.198, 280.595

Rectangle

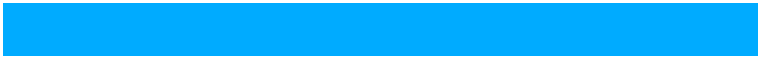
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 61.589, 70.285



64, 61.589, 120.285



64, 61.589, 250.285



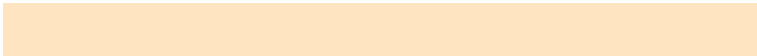
64, 61.589, 300.285

Sweetspot

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



64, 61.588, 70.288



92, 20.475, 78.189



49, 67.819, 358.704



48, 14.162, 77.713



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 61.588, 70.288



71, 81.420, 66.501



82, 77.302, 106.122



44, 4.087, 80.087



48, 61.868, 65.705



10, 17.177, 66.088

Inverse Universe

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



50, 55.198, 280.595



53, 77.153, 287.525



33, 99.854, 304.104



43, 4.031, 262.630



34, 59.432, 288.905



6, 18.610, 277.753

Previews

White Background



This preview shows how the CIELCh color 64, 61.589, 70.285 looks on a white background.

Color Contrast Check

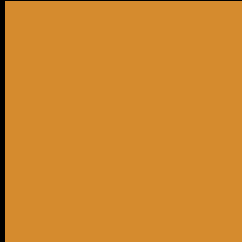
Large Text (above 18pt) WCAG AA × Fail

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 64, 61.589, 70.285 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 ✓ Pass

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

CIELCh 64, 61.589, 70.285

Background



This preview shows how black text looks on a background with the CIELCh color 64, 61.589, 70.285.



This preview shows how white text looks on a background with the CIELCh color 64, 61.589, 70.285.

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

64, 61.589, 70.285

Protanopia

64, 55.378, 95.610

Deuteranopia

64, 59.025, 82.279



Tritanopia
64, 36.230, 14.852

Trichromacy



Original Color
64, 61.589, 70.285

Protanomaly
64, 55.891, 85.900

Deuteranomaly
64, 59.783, 77.750

Tritanomaly
64, 40.342, 43.927

Monochromacy



Original Color
64, 61.589, 70.285

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 22.357, 76.855

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 61.589, 70.285 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(213, 139, 46)` looks like.

```
.text, #text, p{  
    color:rgb(213, 139, 46)  
}
```

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(213, 139, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 139, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 61.589, 70.285 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(213, 139, 46) }
```

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

```
.border{ border-color:rgb(213, 139, 46) }
```

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

Here you see how a box with a 4 pixel rgb(213, 139, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 139, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 139, 46);  
box-shadow:4px 4px 4px 4px rgb(213, 139,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 61.589, 70.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 139, 46) }
```

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

```
.background{ background-color: rgb(213,  
139, 46) }
```

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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