

Converting Colors

CIELCh(62, 72.535, 67.318)

Have a look what the booklet for
CIELCh(62, 72.535, 67.318) contains.

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Color

CIELCh(62, 72.535, 67.318)

Conversions

Conversions Part 1

Format	Color
Hex	DA8009
RGB	218, 128, 9
RGB Percent	85%, 50%, 4%
CMY	0.1447, 0.4977, 0.9639
CMYK	0.00, 0.41, 0.96, 0.14
HSL	34°, 92%, 45%
HSV	34°, 96%, 86%
XYZ	36.7255, 30.4025, 4.1966
YIQ	141.3440, 91.8390, -17.9290

Conversions

Conversions Part 2

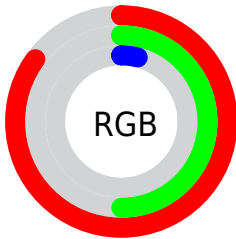
Format	Color
RYB	167, 218, 9
Decimal	14319625
CIELab	62.00, 27.97, 66.93
CIELCh	62, 72.535, 67.318
Yxy	30.4025, 0.5149, 0.4263
Android (android.graphics.Color)	4292509705 (0xFFDA8009)
YUV	141.3440, -65.2456, 67.2273
Hunter-Lab	55.1385, 22.3993, 34.0844

Details

The CIELCh color **62, 72.535, 67.318** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **44, 70.888, 288.923**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 65.202, 74.565**, and **42, 58.899, 61.123** is the 20% darker color. If you saturate the color by 10%, you get **61, 74.128, 66.150**, and if you desaturate by 10%, it is **64, 67.762, 69.878**.

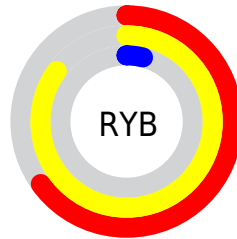
Distribution



Red (85%)

Green (50%)

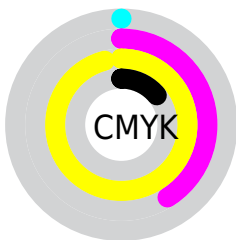
Blue (4%)



Red (65%)

Yellow (85%)

Blue (4%)

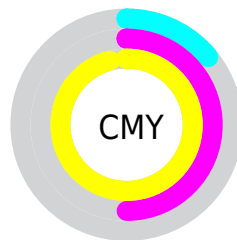


Cyan (0%)

Magenta (41%)

Yellow (96%)

Black (14%)



Cyan (14%)

Magenta (50%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 72.535, 67.318 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 62, 72.535, 67.318 by changing the saturation by 10% instead.

62, 72.535, 67.318

62, 72.535, 67.318

100, 72.535,
67.318

52, 72.535, 67.318

82, 72.535, 67.318

42, 72.535, 67.318

92, 72.535, 67.318

32, 72.535, 67.318

22, 72.535, 67.318

12, 72.535, 67.318

2, 72.535, 67.318

0, 72.535, 67.318

62, 72.535, 67.318

62, 72.535, 67.318

61, 74.128, 66.150

64, 67.762, 69.878

67, 60.897, 71.848

69, 52.902, 73.502

72, 44.473, 75.004

74, 36.000, 76.429

77, 27.680, 77.812

80, 19.597, 79.162

82, 11.783, 80.473

85, 4.237, 81.710

Harmonies

Complementary

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



62, 72.535, 67.318



44, 70.888, 288.923

Rectangle

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



62, 72.535, 67.318



62, 72.535, 117.318



62, 72.535, 247.318



62, 72.535, 297.318

Sweetspot

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



62, 72.533, 67.321



91, 25.178, 78.697



47, 74.310, 7.034



47, 17.407, 78.115



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 72.533, 67.321



71, 83.497, 65.806



83, 85.603, 106.922



45, 4.208, 81.275



49, 62.366, 66.751



11, 18.562, 67.814

Inverse Universe

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



44, 70.888, 288.923



50, 84.338, 290.995



28, 116.585, 306.201



44, 4.158, 263.826



34, 61.552, 289.929



6, 20.066, 279.706

Previews

White Background



This preview shows how the CIELCh color 62, 72.535, 67.318 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 62, 72.535, 67.318 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 62, 72.535, 67.318

Background



This preview shows how black text looks on a background with the CIELCh color 62, 72.535, 67.318.



This preview shows how white text looks on a background with the CIELCh color 62, 72.535, 67.318.

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

62, 72.535, 67.318

Protanopia

62, 63.122, 95.548

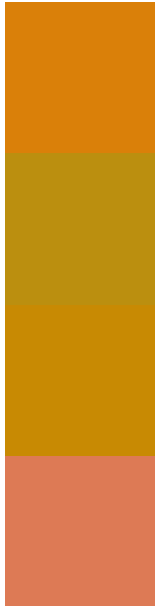
Deuteranopia

62, 67.241, 83.611



Tritanopia
62, 43.365, 18.124

Trichromacy



Original Color
62, 72.535, 67.318

Protanomaly
62, 64.465, 84.370

Deuteranomaly
62, 68.434, 77.576

Tritanomaly
62, 51.044, 46.450

Monochromacy



Original Color
62, 72.535, 67.318

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 28.613, 76.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 72.535, 67.318 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(218, 128, 9)` looks like.

```
.text, #text, p{  
    color:rgb(218, 128, 9)  
}
```

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(218, 128, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 128, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 72.535, 67.318 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(218, 128, 9) }
```

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

```
.border{ border-color:rgb(218, 128, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 128, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 128, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 128, 9);  
box-shadow:4px 4px 4px 4px rgb(218, 128,  
9) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 72.535, 67.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 128, 9) }
```

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

```
.background{ background-color: rgb(218,  
128, 9) }
```

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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