

Converting Colors

CIELCh(68, 61.998, 81.965)

Have a look what the booklet for
CIELCh(68, 61.998, 81.965) contains.

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Color

CIELCh(68, 62.122, 82.282)

Conversions

Conversions Part 1

Format	Color
Hex	D09E2E
RGB	208, 158, 46
RGB Percent	82%, 62%, 18%
CMY	0.1851, 0.3810, 0.8203
CMYK	0.00, 0.24, 0.78, 0.19
HSL	41°, 64%, 50%
HSV	41°, 78%, 81%
XYZ	38.6441, 37.9720, 7.8580
YIQ	160.1820, 65.7520, -24.2320

Conversions

Conversions Part 2

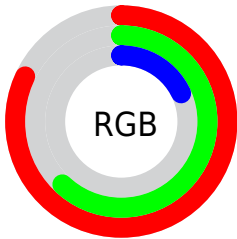
Format	Color
R _Y B	118, 208, 46
Decimal	13671982
CIE Lab	68.00, 8.34, 61.56
CIE LCh	68, 62.122, 82.282
Yxy	37.9720, 0.4575, 0.4495
Android (android.graphics.Color)	4291862062 (0xFFD09E2E)
YUV	160.1820, -56.2917, 41.9364
Hunter-Lab	61.6215, 4.1034, 35.5744

Details

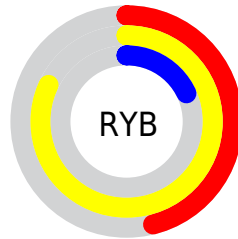
The CIELCh color **68, 62.122, 82.282** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **43, 66.932, 290.611**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 59.859, 87.341**, and **48, 55.739, 80.912** is the 20% darker color. If you saturate the color by 10%, you get **66, 67.366, 80.437**, and if you desaturate by 10%, it is **70, 55.249, 83.901**.

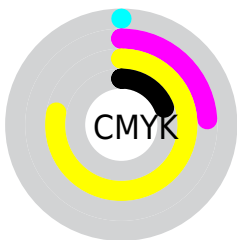
Distribution



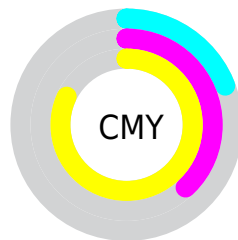
- Red (82%)
- Green (62%)
- Blue (18%)



- Red (46%)
- Yellow (82%)
- Blue (18%)



- Cyan (0%)
- Magenta (24%)
- Yellow (78%)
- Black (19%)



- Cyan (19%)
- Magenta (38%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 62.122, 82.282 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 68, 62.122, 82.282 by changing the saturation by 10% instead.

68, 62.122, 82.282

68, 62.122, 82.282

100, 62.122,
82.282

58, 62.122, 82.282

88, 62.122, 82.282

48, 62.122, 82.282

98, 62.122, 82.282

38, 62.122, 82.282

28, 62.122, 82.282

18, 62.122, 82.282

8, 62.122, 82.282

0, 62.122, 82.282

68, 62.122, 82.282

68, 62.122, 82.282

66, 67.366, 80.437

70, 55.249, 83.901

65, 70.361, 78.220

72, 47.471, 85.392

64, 70.879, 77.757

74, 39.272, 86.814

75, 30.938, 88.189

77, 22.622, 89.525

80, 14.402, 90.819

82, 6.317, 92.056

84, 1.623, 273.448

86, 9.415, 274.494

Harmonies

Complementary

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



68, 62.122, 82.282



43, 66.932, 290.611

Rectangle

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



68, 62.122, 82.282



68, 62.122, 132.282



68, 62.122, 262.282



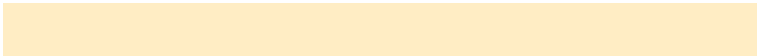
68, 62.122, 312.282

Sweetspot

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



68, 62.121, 82.285



94, 21.891, 90.136



47, 65.345, 9.422



49, 15.198, 89.659



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 62.121, 82.285



79, 81.318, 78.879



79, 76.657, 112.979



43, 4.537, 91.881



53, 60.625, 78.184



11, 17.122, 81.319

Inverse Universe

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



43, 66.932, 290.611



45, 97.155, 296.621



34, 96.283, 305.843



41, 4.548, 274.301



28, 73.931, 297.684



4, 20.176, 284.217

Previews

White Background



This preview shows how the CIELCh color 68, 62.122, 82.282 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 CIE LCh color 68, 62.122, 82.282 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 68, 62.122, 82.282

Background



This preview shows how black text looks on a background with the CIELCh color 68, 62.122, 82.282.



This preview shows how white text looks on a background with the CIELCh color 68, 62.122, 82.282.

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

68, 62.122, 82.282

Protanopia

68, 60.212, 95.269

Deuteranopia

68, 62.122, 82.282



Tritanopia
68, 27.610, 8.618

Trichromacy



Original Color
68, 62.122, 82.282

Protanomaly
68, 60.553, 90.428

Deuteranomaly
68, 62.122, 82.282

Tritanomaly
68, 32.535, 54.443

Monochromacy



Original Color
68, 62.122, 82.282

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 23.837, 89.125

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 62.122, 82.282 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(208, 158, 46)` looks like.

```
.text, #text, p{  
    color:rgb(208, 158, 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(208, 158, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 158, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 62.122, 82.282 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(208, 158, 46) }
```

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

```
.border{ border-color:rgb(208, 158, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 158, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 158, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 158, 46);  
box-shadow:4px 4px 4px 4px rgb(208, 158,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 62.122, 82.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 158, 46) }
```

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

```
.background{ background-color: rgb(208,  
158, 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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