

Converting Colors

CIELCh(66, 63.247, 88.989)

Have a look what the booklet for
CIELCh(66, 63.247, 88.989) contains.

CIELCh(66, 63.309, 89.158)	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(66, 63.309, 89.158)

Conversions

Conversions Part 1

Format	Color
Hex	BF9D21
RGB	191, 157, 33
RGB Percent	75%, 62%, 13%
CMY	0.2508, 0.3841, 0.8703
CMYK	0.00, 0.18, 0.83, 0.25
HSL	47°, 70%, 44%
HSV	47°, 83%, 75%
XYZ	33.8400, 35.3238, 6.4780
YIQ	153.0300, 60.0680, -31.3560

Conversions

Conversions Part 2

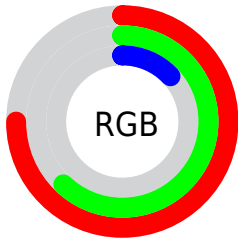
Format	Color
RYB	76, 191, 33
Decimal	12557601
CIELab	66.00, 0.93, 63.30
CIELCh	66, 63.309, 89.158
Yxy	35.3238, 0.4474, 0.4670
Android (android.graphics.Color)	4290747681 (0xFFBF9D21)
YUV	153.0300, -59.1748, 33.2997
Hunter-Lab	59.4338, -2.3761, 35.1414

Details

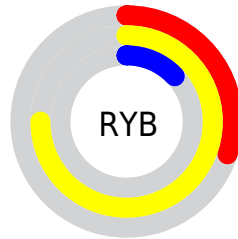
The CIELCh color **66, 63.309, 89.158** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **34, 76.352, 297.074**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 63.306, 89.082**, and **46, 52.756, 88.082** is the 20% darker color. If you saturate the color by 10%, you get **65, 66.842, 87.668**, and if you desaturate by 10%, it is **67, 57.789, 90.531**.

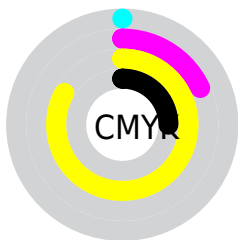
Distribution



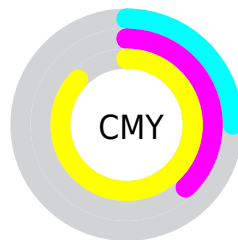
- Red (75%)
- Green (62%)
- Blue (13%)



- Red (30%)
- Yellow (75%)
- Blue (13%)



- Cyan (0%)
- Magenta (18%)
- Yellow (83%)
- Black (25%)



- Cyan (25%)
- Magenta (38%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 63.309, 89.158 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 66, 63.309, 89.158 by changing the saturation by 10% instead.

■ 66, 63.309, 89.158

■ 66, 63.309, 89.158

■ 100, 63.309,
89.158

■ 56, 63.309, 89.158

■ 86, 63.309, 89.158

■ 46, 63.309, 89.158

■ 96, 63.309, 89.158

■ 36, 63.309, 89.158

■ 26, 63.309, 89.158

■ 16, 63.309, 89.158

■ 6, 63.309, 89.158

■ 0, 63.309, 89.158

■ 66, 63.309, 89.158

■ 66, 63.309, 89.158

■ 65, 66.842, 87.668

■ 67, 57.789, 90.531

64, 68.314, 86.496

68, 50.928, 91.840

70, 43.280, 93.119

71, 35.220, 94.379

72, 26.975, 95.617

74, 18.678, 96.830

75, 10.403, 98.008

77, 2.189, 99.099

79, 5.943, 280.306

Harmonies

Complementary

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



66, 63.309, 89.158



34, 76.352, 297.074

Rectangle

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



66, 63.309, 89.158



66, 63.309, 139.158



66, 63.309, 269.158



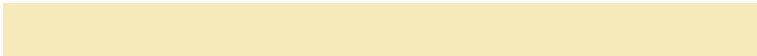
66, 63.309, 319.158

Sweetspot

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



66, 63.308, 89.161



93, 25.401, 96.505



42, 65.076, 19.550



49, 17.487, 96.074



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



66, 63.308, 89.161



81, 82.666, 86.363



72, 75.827, 117.851



39, 4.590, 98.391



54, 59.455, 86.763



8, 12.689, 92.227

Inverse Universe

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



34, 76.352, 297.074



37, 113.224, 302.170



31, 93.607, 307.869



37, 4.637, 280.615



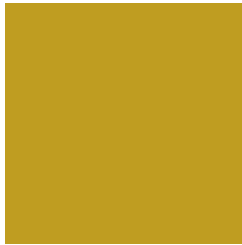
22, 79.641, 301.594



2, 14.796, 283.716

Previews

White Background



This preview shows how the CIELCh color 66, 63.309, 89.158 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 66, 63.309, 89.158 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 66, 63.309, 89.158

Background



This preview shows how black text looks on a background with the CIELCh color 66, 63.309, 89.158.



This preview shows how white text looks on a background with the CIELCh color 66, 63.309, 89.158.

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

66, 63.309, 89.158

Protanopia

66, 62.969, 95.138

Deuteranopia

66, 63.319, 82.189



Tritanopia
66, 21.833, 4.129

Trichromacy



Original Color
66, 63.309, 89.158

Protanomaly
66, 63.046, 93.021

Deuteranomaly
66, 63.202, 84.805

Tritanomaly
66, 28.969, 64.565

Monochromacy



Original Color
66, 63.309, 89.158

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 25.476, 94.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 63.309, 89.158 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(191, 157, 33)` looks like.

```
.text, #text, p{  
    color:rgb(191, 157, 33)  
}
```

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(191, 157, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 157, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 63.309, 89.158 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(191, 157, 33) }
```

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

```
.border{ border-color:rgb(191, 157, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 157, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 157, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 157, 33);  
box-shadow:4px 4px 4px 4px rgb(191, 157,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 63.309, 89.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 157, 33) }
```

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

```
.background{ background-color: rgb(191,  
157, 33) }
```

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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