

Converting Colors

CIELCh(66, 51.454, 88.471)

Have a look what the booklet for
CIELCh(66, 51.454, 88.471) contains.

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Color

CIELCh(66, 51.516, 88.389)

Conversions

Conversions Part 1

Format	Color
Hex	BD9D40
RGB	189, 157, 64
RGB Percent	74%, 62%, 25%
CMY	0.2586, 0.3841, 0.7488
CMYK	0.00, 0.17, 0.66, 0.26
HSL	45°, 49%, 50%
HSV	45°, 66%, 74%
XYZ	33.9886, 35.3238, 9.8835
YIQ	155.9660, 48.9250, -22.1390

Conversions

Conversions Part 2

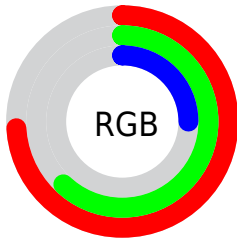
Format	Color
RYB	107, 189, 64
Decimal	12426560
CIELab	66.00, 1.45, 51.50
CIElCh	66, 51.516, 88.389
Yxy	35.3238, 0.4292, 0.4460
Android (android.graphics.Color)	4290616640 (0xFFBD9D40)
YUV	155.9660, -45.3392, 28.9708
Hunter-Lab	59.4338, -1.9298, 31.7441

Details

The CIELCh color **66, 51.516, 88.389** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **43, 55.815, 289.830**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 51.371, 88.206**, and **46, 51.465, 88.456** is the 20% darker color. If you saturate the color by 10%, you get **65, 57.995, 86.947**, and if you desaturate by 10%, it is **67, 44.188, 89.767**.

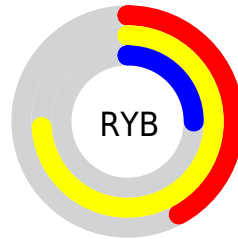
Distribution



Red (74%)

Green (62%)

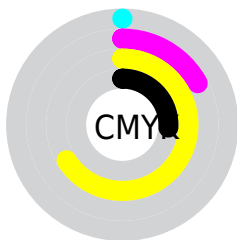
Blue (25%)



Red (42%)

Yellow (74%)

Blue (25%)

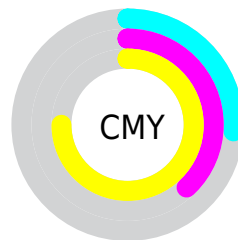


Cyan (0%)

Magenta (17%)

Yellow (66%)

Black (26%)



Cyan (26%)

Magenta (38%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 51.516, 88.389 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, 51.516, 88.389 by changing the saturation by 10% instead.

■ 66, 51.516, 88.389

■ 66, 51.516, 88.389

■ 100, 51.516,
88.389

■ 56, 51.516, 88.389

■ 86, 51.516, 88.389

■ 46, 51.516, 88.389

■ 96, 51.516, 88.389

■ 36, 51.516, 88.389

■ 26, 51.516, 88.389

■ 16, 51.516, 88.389

■ 6, 51.516, 88.389

■ 0, 51.516, 88.389

■ 66, 51.516, 88.389

■ 66, 51.516, 88.389

■ 65, 57.995, 86.947

■ 67, 44.188, 89.767

63, 63.015, 85.369

69, 36.429, 91.100

62, 65.950, 83.557

71, 28.493, 92.401

61, 66.813, 82.830

72, 20.521, 93.670

74, 12.592, 94.902

76, 4.746, 96.077

77, 3.000, 277.332

79, 10.638,
278.398

81, 18.169,
279.451

Harmonies

Complementary

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



66, 51.516, 88.389



43, 55.815, 289.830

Rectangle

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



66, 51.516, 88.389



66, 51.516, 138.389



66, 51.516, 268.389



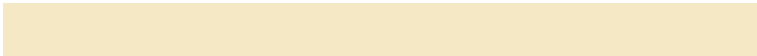
66, 51.516, 318.389

Sweetspot

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



66, 51.516, 88.392



92, 19.320, 94.390



46, 53.271, 9.200



49, 13.197, 94.043



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



66, 51.516, 88.392



81, 73.204, 86.315



72, 63.729, 115.505



39, 4.399, 95.708



52, 58.596, 83.143



8, 12.039, 88.024

Inverse Universe

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



43, 55.815, 289.830



48, 83.998, 294.257



37, 75.682, 305.462



37, 4.430, 278.007



24, 75.684, 299.987



2, 14.325, 282.124

Previews

White Background



This preview shows how the CIELCh color 66, 51.516, 88.389 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, 51.516, 88.389 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, 51.516, 88.389

Background



This preview shows how black text looks on a background with the CIELCh color 66, 51.516, 88.389.



This preview shows how white text looks on a background with the CIELCh color 66, 51.516, 88.389.

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, 51.516, 88.389

Protanopia

66, 51.137, 95.616

Deuteranopia

66, 52.187, 80.662



Tritanopia
66, 20.667, 2.955

Trichromacy



Original Color
66, 51.516, 88.389

Protanomaly
66, 51.186, 93.051

Deuteranomaly
66, 51.565, 83.109

Tritanomaly
66, 23.856, 58.770

Monochromacy



Original Color
66, 51.516, 88.389

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 18.926, 92.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 51.516, 88.389 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(189, 157, 64)` looks like.

```
.text, #text, p{  
    color:rgb(189, 157, 64)  
}
```

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(189, 157, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 157, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 51.516, 88.389 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(189, 157, 64) }
```

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

```
.border{ border-color:rgb(189, 157, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 157, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 157, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 157, 64);  
box-shadow:4px 4px 4px 4px rgb(189, 157,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 51.516, 88.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 157, 64) }
```

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

```
.background{ background-color: rgb(189,  
157, 64) }
```

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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