

Converting Colors

CIELCh(67, 51.597, 89.922)

Have a look what the booklet for
CIELCh(67, 51.597, 89.922) contains.

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Color

CIELCh(67, 51.597, 89.565)

Conversions

Conversions Part 1

Format	Color
Hex	BEA042
RGB	190, 160, 66
RGB Percent	75%, 63%, 26%
CMY	0.2536, 0.3714, 0.7400
CMYK	0.00, 0.16, 0.65, 0.25
HSL	45°, 49%, 50%
HSV	45°, 65%, 75%
XYZ	34.9321, 36.6320, 10.4291
YIQ	158.2540, 48.0540, -22.8740

Conversions

Conversions Part 2

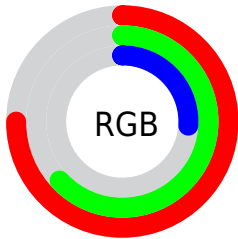
Format	Color
RYB	106, 190, 66
Decimal	12492866
CIELab	67.00, 0.39, 51.60
CIELCh	67, 51.597, 89.565
Yxy	36.6320, 0.4260, 0.4468
Android (android.graphics.Color)	4290682946 (0xFFBEA042)
YUV	158.2540, -45.4812, 27.8412
Hunter-Lab	60.5244, -2.8950, 32.1507

Details

The CIELCh color **67, 51.597, 89.565** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **43, 56.324, 290.357**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 51.447, 89.287**, and **47, 51.551, 89.778** is the 20% darker color. If you saturate the color by 10%, you get **66, 58.193, 88.169**, and if you desaturate by 10%, it is **68, 44.160, 90.911**.

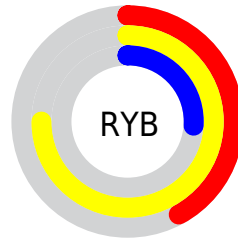
Distribution



Red (75%)

Green (63%)

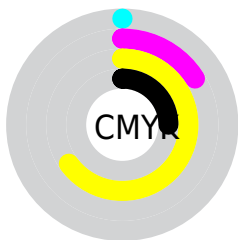
Blue (26%)



Red (42%)

Yellow (75%)

Blue (26%)

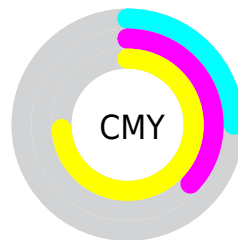


Cyan (0%)

Magenta (16%)

Yellow (65%)

Black (25%)



Cyan (25%)

Magenta (37%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 51.597, 89.565 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 67, 51.597, 89.565 by changing the saturation by 10% instead.

■ 67, 51.597, 89.565

■ 67, 51.597, 89.565

■ 100, 51.597,
89.565

■ 57, 51.597, 89.565

■ 87, 51.597, 89.565

■ 47, 51.597, 89.565

■ 97, 51.597, 89.565

■ 37, 51.597, 89.565

■ 27, 51.597, 89.565

■ 17, 51.597, 89.565

■ 7, 51.597, 89.565

■ 0, 51.597, 89.565

■ 67, 51.597, 89.565

■ 67, 51.597, 89.565

■ 66, 58.193, 88.169

■ 68, 44.160, 90.911

64, 63.352, 86.662

70, 36.291, 92.219

63, 66.422, 84.957

71, 28.236, 93.500

63, 67.444, 84.092

73, 20.138, 94.751

75, 12.074, 95.967

76, 4.084, 97.121

78, 3.812, 278.351

80, 11.606,
279.414

81, 19.298,
280.454

Harmonies

Complementary

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



67, 51.597, 89.565



43, 56.324, 290.357

Rectangle

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



67, 51.597, 89.565



67, 51.597, 139.565



67, 51.597, 269.565



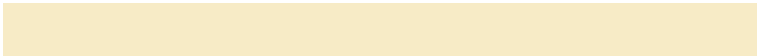
67, 51.597, 319.565

Sweetspot

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



67, 51.597, 89.568



93, 19.752, 95.345



47, 52.885, 10.227



50, 13.605, 94.998



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



67, 51.597, 89.568



83, 73.682, 87.571



73, 63.523, 116.282



39, 4.463, 96.651



53, 58.858, 84.395



8, 12.253, 89.515

Inverse Universe

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



43, 56.324, 290.357



48, 85.205, 294.677



38, 74.926, 305.749



37, 4.500, 278.924



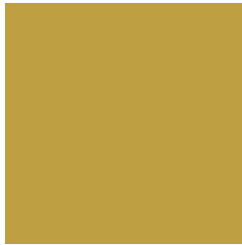
23, 77.069, 300.567



2, 14.485, 282.680

Previews

White Background



This preview shows how the CIELCh color 67, 51.597, 89.565 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 67, 51.597, 89.565 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 67, 51.597, 89.565

Background



This preview shows how black text looks on a background with the CIELCh color 67, 51.597, 89.565.



This preview shows how white text looks on a background with the CIELCh color 67, 51.597, 89.565.

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

67, 51.597, 89.565

Protanopia

67, 51.184, 95.193

Deuteranopia

67, 51.895, 80.171



Tritanopia
67, 19.841, 2.075

Trichromacy



Original Color
67, 51.597, 89.565

Protanomaly
67, 51.145, 93.132

Deuteranomaly
67, 51.712, 83.837

Tritanomaly
67, 23.072, 60.112

Monochromacy



Original Color
67, 51.597, 89.565

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 19.284, 94.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 51.597, 89.565 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(190, 160, 66)` looks like.

```
.text, #text, p{  
    color:rgb(190, 160, 66)  
}
```

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(190, 160, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 160, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 51.597, 89.565 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(190, 160, 66) }
```

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

```
.border{ border-color:rgb(190, 160, 66) }
```

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

Here you see how a box with a 4 pixel rgb(190, 160, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 160, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 160, 66);  
box-shadow:4px 4px 4px 4px rgb(190, 160,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 51.597, 89.565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 160, 66) }
```

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

```
.background{ background-color: rgb(190,  
160, 66) }
```

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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