

Converting Colors

CIELCh(66, 58.431, 90.104)

Have a look what the booklet for
CIELCh(66, 58.431, 90.104) contains.

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Color

CIELCh(66, 58.538, 90.414)

Conversions

Conversions Part 1

Format	Color
Hex	BC9E2F
RGB	188, 158, 47
RGB Percent	74%, 62%, 18%
CMY	0.2630, 0.3806, 0.8159
CMYK	0.00, 0.16, 0.75, 0.26
HSL	47°, 60%, 46%
HSV	47°, 75%, 74%
XYZ	33.4538, 35.3238, 7.7381
YIQ	154.3160, 53.5110, -28.1610

Conversions

Conversions Part 2

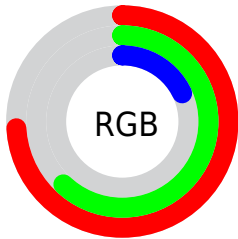
Format	Color
R_{YB}	85, 188, 47
Decimal	12361263
CIE Lab	66.00, -0.42, 58.54
CIE LCh	66, 58.538, 90.414
Yxy	35.3238, 0.4372, 0.4617
Android (android.graphics.Color)	4290551343 (0xFFBC9E2F)
YUV	154.3160, -52.9068, 29.5409
Hunter-Lab	59.4338, -3.5360, 33.8843

Details

The CIELCh color **66, 58.538, 90.414** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **37, 67.875, 294.828**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 58.321, 90.430**, and **46, 52.669, 89.755** is the 20% darker color. If you saturate the color by 10%, you get **65, 63.592, 89.038**, and if you desaturate by 10%, it is **67, 52.014, 91.727**.

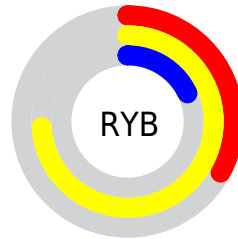
Distribution



Red (74%)

Green (62%)

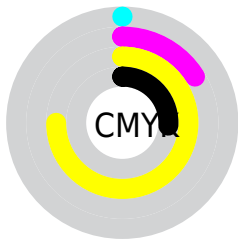
Blue (18%)



Red (33%)

Yellow (74%)

Blue (18%)

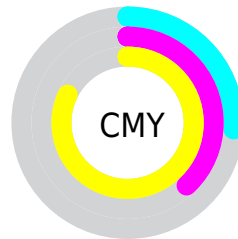


Cyan (0%)

Magenta (16%)

Yellow (75%)

Black (26%)



Cyan (26%)

Magenta (38%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 58.538, 90.414 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, 58.538, 90.414 by changing the saturation by 10% instead.

66, 58.538, 90.414

66, 58.538, 90.414

100, 58.538,
90.414

56, 58.538, 90.414

86, 58.538, 90.414

46, 58.538, 90.414

96, 58.538, 90.414

36, 58.538, 90.414

26, 58.538, 90.414

16, 58.538, 90.414

6, 58.538, 90.414

0, 58.538, 90.414

66, 58.538, 90.414

66, 58.538, 90.414

65, 63.592, 89.038

67, 52.014, 91.727

64, 66.565, 87.524

68, 44.601, 93.005

63, 67.559, 86.740

70, 36.706, 94.262

71, 28.585, 95.501

73, 20.386, 96.716

74, 12.193, 97.899

75, 4.051, 99.027

77, 4.015, 280.219

79, 11.994,
281.262

Harmonies

Complementary

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



66, 58.538, 90.414



37, 67.875, 294.828

Rectangle

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



66, 58.538, 90.414



66, 58.538, 140.414



66, 58.538, 270.414



66, 58.538, 320.414

Sweetspot

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



66, 58.538, 90.417



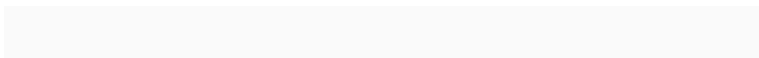
92, 23.216, 96.913



43, 59.452, 16.265



48, 16.079, 96.478



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, 58.538, 90.417



82, 80.216, 88.082



71, 70.414, 117.683



39, 4.602, 98.550



54, 59.517, 86.982



9, 12.731, 92.471

Inverse Universe

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



37, 67.875, 294.828



40, 102.657, 299.783



33, 84.960, 307.380



37, 4.650, 280.768



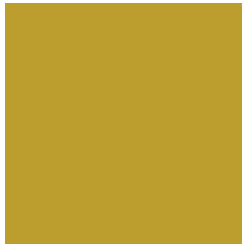
22, 79.875, 301.684



2, 14.826, 283.811

Previews

White Background



This preview shows how the CIELCh color 66, 58.538, 90.414 looks on a white background.

Color Contrast Check

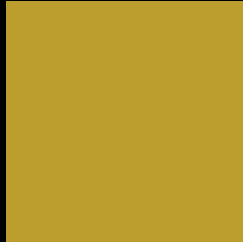
Large Text (above 18pt) WCAG AA × Fail

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, 58.538, 90.414 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, 58.538, 90.414

Background



This preview shows how black text looks on a background with the CIELCh color 66, 58.538, 90.414.

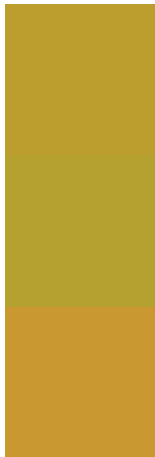


This preview shows how white text looks on a background with the CIELCh color 66, 58.538, 90.414.

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, 58.538, 90.414

Protanopia

66, 58.200, 95.446

Deuteranopia

66, 58.689, 81.533



Tritanopia
66, 20.289, 2.544

Trichromacy



Original Color
66, 58.538, 90.414

Protanomaly
66, 58.162, 93.611

Deuteranomaly
66, 58.467, 84.783

Tritanomaly
66, 25.960, 64.340

Monochromacy



Original Color
66, 58.538, 90.414

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 22.589, 95.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 58.538, 90.414 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(188, 158, 47)` looks like.

```
.text, #text, p{  
    color:rgb(188, 158, 47)  
}
```

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(188, 158, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 158, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 58.538, 90.414 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(188, 158, 47) }
```

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

```
.border{ border-color:rgb(188, 158, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 158, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 158, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 158, 47);  
box-shadow:4px 4px 4px 4px rgb(188, 158,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 58.538, 90.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 158, 47) }
```

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

```
.background{ background-color: rgb(188,  
158, 47) }
```

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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