

Converting Colors

CIELCh(58, 47.761, 99.779)

Have a look what the booklet for
CIELCh(58, 47.761, 99.779) contains.

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Color

CIELCh(58, 48.113, 100.118)

Conversions

Conversions Part 1

Format	Color
Hex	968E34
RGB	150, 142, 52
RGB Percent	59%, 56%, 20%
CMY	0.4130, 0.4442, 0.7972
CMYK	0.00, 0.05, 0.65, 0.41
HSL	55°, 49%, 39%
HSV	55°, 65%, 59%
XYZ	22.7651, 25.9610, 7.0265
YIQ	134.1320, 33.6580, -26.2940

Conversions

Conversions Part 2

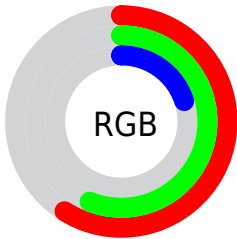
Format	Color
R_{YB}	61, 150, 52
Decimal	9866804
CIE _{Lab}	58.00, -8.45, 47.36
CIE _{LCh}	58, 48.113, 100.118
Yxy	25.9610, 0.4083, 0.4656
Android (android.graphics.Color)	4288056884 (0xFF968E34)
YUV	134.1320, -40.4911, 13.9162
Hunter-Lab	50.9519, -9.4130, 27.4899

Details

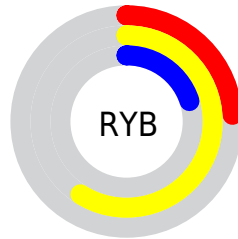
The CIELCh color **58, 48.113, 100.118** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **30, 57.064, 297.621**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 47.938, 100.109**, and **38, 46.052, 100.325** is the 20% darker color. If you saturate the color by 10%, you get **58, 53.690, 99.246**, and if you desaturate by 10%, it is **58, 41.628, 101.065**.

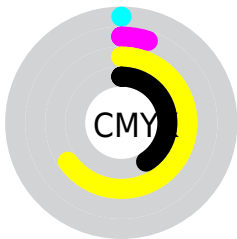
Distribution



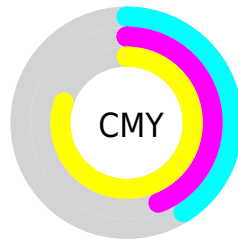
- Red (59%)
- Green (56%)
- Blue (20%)



- Red (24%)
- Yellow (59%)
- Blue (20%)



- Cyan (0%)
- Magenta (5%)
- Yellow (65%)
- Black (41%)




- Cyan (41%)
- Magenta (44%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 48.113, 100.118 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 58, 48.113, 100.118 by changing the saturation by 10% instead.

 58, 48.113,
100.118

 58, 48.113,
100.118

 100, 48.113,
100.118


 48, 48.113,
100.118


 78, 48.113,
100.118


 38, 48.113,
100.118


 88, 48.113,
100.118

 28, 48.113,
100.118

 98, 48.113,
100.118

 18, 48.113,
100.118

 8, 48.113, 100.118

 0, 48.113, 100.118

■ 58, 48.113,
100.118

■ 58, 48.113,
100.118

■ 58, 53.690, 99.246

■ 58, 41.628,
101.065

■ 57, 57.940, 98.459

■ 59, 34.571,
102.058

■ 57, 60.537, 97.765

■ 57, 61.508, 97.464

■ 60, 27.174,
103.077

■ 60, 19.589,
104.106

■ 61, 11.911,
105.130

■ 62, 4.197, 106.129

■ 62, 3.515, 287.156

■ 63, 11.204,
288.096

■ 64, 18.854,
289.011

Harmonies

Complementary

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



58, 48.113, 100.118



30, 57.064, 297.621

Rectangle

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



58, 48.113, 100.118



58, 48.113, 150.118



58, 48.113, 280.118



58, 48.113, 330.118

Sweetspot

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



58, 48.113, 100.121



77, 19.022, 104.625



36, 45.162, 22.712



40, 12.935, 104.365



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



58, 48.113, 100.121



73, 67.847, 98.831



57, 54.623, 123.279



31, 4.312, 105.760



52, 57.900, 97.507



2, 3.782, 106.686

Inverse Universe

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



30, 57.064, 297.621



32, 86.463, 301.302



32, 61.594, 309.919



29, 4.389, 287.672



16, 80.515, 304.901



0, 3.783, 286.688

Previews

White Background



This preview shows how the CIELCh color 58, 48.113, 100.118 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 48.113, 100.118 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 48.113, 100.118

Background



This preview shows how black text looks on a background with the CIELCh color 58, 48.113, 100.118.



This preview shows how white text looks on a background with the CIELCh color 58, 48.113, 100.118.

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

58, 48.113, 100.118

Protanopia

58, 48.195, 95.642

Deuteranopia

58, 47.281, 80.936



Tritanopia
58, 11.392, 350.841

Trichromacy



Original Color
58, 48.113, 100.118

Protanomaly
58, 48.395, 97.339

Deuteranomaly
58, 46.721, 87.921

Tritanomaly
58, 16.887, 79.644

Monochromacy



Original Color
58, 48.113, 100.118

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 18.703, 104.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 48.113, 100.118 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(150, 142, 52)` looks like.

```
.text, #text, p{  
    color:rgb(150, 142, 52)  
}
```

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(150, 142, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 142, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 48.113, 100.118 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(150, 142, 52) }
```

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

```
.border{ border-color:rgb(150, 142, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 142, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 142, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 142, 52);  
box-shadow:4px 4px 4px 4px rgb(150, 142,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 48.113, 100.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 142, 52) }
```

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

```
.background{ background-color: rgb(150,  
142, 52) }
```

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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