

Converting Colors

CIELCh(58, 39.575, 109.559)

Have a look what the booklet for
CIELCh(58, 39.575, 109.559)
contains.

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Color

CIELCh(58, 39.446, 109.459)

Conversions

Conversions Part 1

Format	Color
Hex	8A9048
RGB	138, 144, 72
RGB Percent	54%, 56%, 28%
CMY	0.4574, 0.4339, 0.7163
CMYK	0.04, 0.00, 0.50, 0.43
HSL	65°, 33%, 42%
HSV	65°, 50%, 57%
XYZ	21.7494, 25.9610, 10.0526
YIQ	133.9980, 19.5360, -23.6640

Conversions

Conversions Part 2

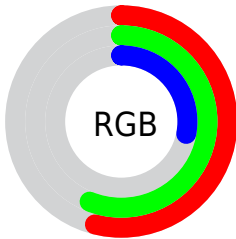
Format	Color
R_{YB}	72, 144, 78
Decimal	9080904
CIE _{Lab}	58.00, -13.14, 37.19
CIE _{LCh}	58, 39.446, 109.459
Yxy	25.9610, 0.3765, 0.4494
Android (android.graphics.Color)	4287270984 (0xFF8A9048)
YUV	133.9980, -30.5650, 3.5098
Hunter-Lab	50.9519, -12.9713, 23.9686

Details

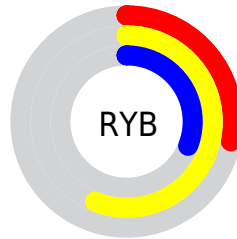
The CIELCh color $58, 39.446, 109.459$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $35, 44.942, 299.338$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 39.772, 109.476$, and $38, 39.362, 109.737$ is the 20% darker color. If you saturate the color by 10%, you get $58, 46.433, 108.791$, and if you desaturate by 10%, it is $58, 31.956, 110.214$.

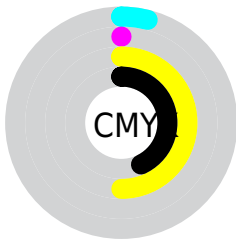
Distribution



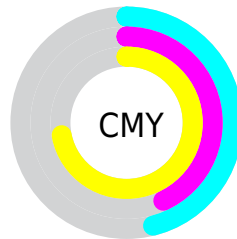
- Red (54%)
- Green (56%)
- Blue (28%)



- Red (28%)
- Yellow (56%)
- Blue (31%)



- Cyan (4%)
- Magenta (0%)
- Yellow (50%)
- Black (43%)





- Cyan (46%)
- Magenta (43%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 39.446, 109.459 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, 39.446, 109.459 by changing the saturation by 10% instead.


 58, 39.446,
109.459


 58, 39.446,
109.459


 100, 39.446,
109.459


 48, 39.446,
109.459


 78, 39.446,
109.459

 38, 39.446,
109.459

 88, 39.446,
109.459

 28, 39.446,
109.459

 98, 39.446,
109.459

 18, 39.446,
109.459

 8, 39.446, 109.459

 0, 39.446, 109.459

■ 58, 39.446,
109.459

■ 58, 39.446,
109.459

■ 58, 46.433,
108.791

■ 58, 31.956,
110.214

■ 58, 52.643,
108.249

■ 59, 24.150,
111.012

■ 57, 57.730,
107.891

■ 59, 16.156,
111.830

■ 57, 61.343,
107.775

■ 59, 8.055, 112.649

■ 57, 63.715,
107.858

■ 60, 0.095, 293.729

■ 57, 63.741,
107.859

■ 60, 8.259, 294.248

■ 61, 16.409,
295.002

■ 62, 24.526,
295.724

■ 62, 32.598,
296.410

Harmonies

Complementary

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



58, 39.446, 109.459



35, 44.942, 299.338

Rectangle

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



58, 39.446, 109.459



58, 39.446, 159.459



58, 39.446, 289.459



58, 39.446, 339.459

Sweetspot

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



58, 39.447, 109.461



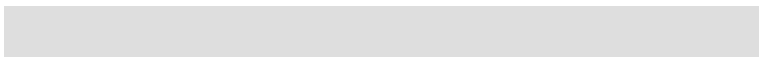
76, 15.180, 112.206



41, 31.695, 29.225



39, 10.317, 112.052



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



58, 39.447, 109.461



74, 57.680, 108.707



56, 43.331, 129.121



30, 4.557, 112.708



54, 60.755, 107.830



2, 3.092, 113.450

Inverse Universe

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



35, 44.942, 299.338



39, 68.530, 301.246



38, 45.969, 313.599



28, 4.653, 294.240



15, 83.006, 306.646



0, 3.092, 293.450

Previews

White Background



This preview shows how the CIELCh color 58, 39.446, 109.459 looks on a white background.

Color Contrast Check

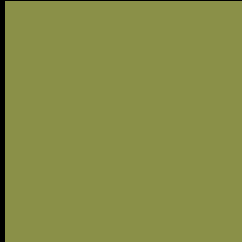
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 58, 39.446, 109.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

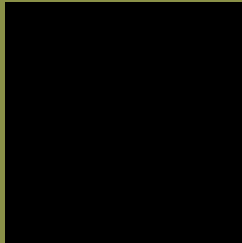
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 39.446, 109.459

Background



This preview shows how black text looks on a background with the CIELCh color 58, 39.446, 109.459.



This preview shows how white text looks on a background with the CIELCh color 58, 39.446, 109.459.

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

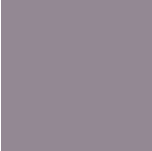
58, 39.446, 109.459

Protanopia

58, 38.179, 95.370

Deuteranopia

58, 37.053, 78.912



Tritanopia
58, 7.604, 324.813

Trichromacy



Original Color
58, 39.446, 109.459

Protanomaly
58, 38.586, 100.898

Deuteranomaly
58, 36.399, 90.698

Tritanomaly
58, 10.942, 98.022

Monochromacy



Original Color
58, 39.446, 109.459

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 14.749, 111.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 39.446, 109.459 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(138, 144, 72)` looks like.

```
.text, #text, p{  
    color:rgb(138, 144, 72)  
}
```

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(138, 144, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 144, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 39.446, 109.459 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(138, 144, 72) }
```

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

```
.border{ border-color:rgb(138, 144, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 144, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 144, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 144, 72);  
box-shadow:4px 4px 4px 4px rgb(138, 144,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 39.446, 109.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 144, 72) }
```

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

```
.background{ background-color: rgb(138,  
144, 72) }
```

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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