

Converting Colors

CIELCh(58, 46.575, 105.849)

Have a look what the booklet for
CIELCh(58, 46.575, 105.849)
contains.

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Color

CIELCh(58, 46.575, 105.849)

Conversions

Conversions Part 1

Format	Color
Hex	8E9039
RGB	142, 144, 57
RGB Percent	56%, 56%, 22%
CMY	0.4435, 0.4356, 0.7768
CMYK	0.01, 0.00, 0.60, 0.44
HSL	61°, 43%, 39%
HSV	61°, 60%, 56%
XYZ	21.8393, 25.9610, 7.7210
YIQ	133.4840, 26.7350, -27.4810

Conversions

Conversions Part 2

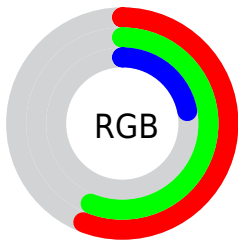
Format	Color
RYB	57, 144, 59
Decimal	9343033
CIELab	58.00, -12.72, 44.80
CIELCh	58, 46.575, 105.849
Yxy	25.9610, 0.3933, 0.4676
Android (android.graphics.Color)	4287533113 (0xFF8E9039)
YUV	133.4840, -37.7066, 7.4685
Hunter-Lab	50.9519, -12.6562, 26.6818

Details

The CIELCh color $58, 46.575, 105.849$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $29, 55.379, 299.808$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $78, 46.620, 105.861$, and $38, 46.502, 105.986$ is the 20% darker color. If you saturate the color by 10%, you get $58, 52.690, 105.200$, and if you desaturate by 10%, it is $58, 39.663, 106.615$.

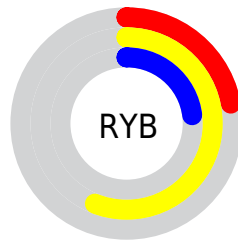
Distribution



Red (56%)

Green (56%)

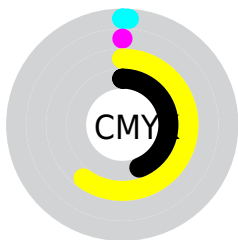
Blue (22%)



Red (22%)

Yellow (56%)

Blue (23%)

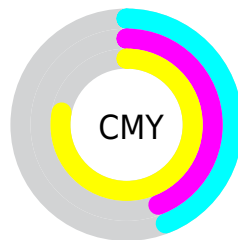


Cyan (1%)

Magenta (0%)

Yellow (60%)

Black (44%)



Cyan (44%)

Magenta (44%)

Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 46.575, 105.849 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, 46.575, 105.849 by changing the saturation by 10% instead.


 58, 46.575,
105.849

 58, 46.575,
105.849


 100, 46.575,
105.849

 48, 46.575,
105.849


 78, 46.575,
105.849

 38, 46.575,
105.849

 88, 46.575,
105.849

 28, 46.575,
105.849

 98, 46.575,
105.849

 18, 46.575,
105.849

 8, 46.575, 105.849

 0, 46.575, 105.849

■ 58, 46.575,
105.849

■ 58, 46.575,
105.849

■ 58, 52.690,
105.200

■ 58, 39.663,
106.615

■ 58, 57.657,
104.703

■ 58, 32.232,
107.454

■ 58, 61.127,
104.401

■ 59, 24.475,
108.337

■ 58, 63.323,
104.254

■ 59, 16.525,
109.240

■ 59, 8.467, 110.145

■ 60, 0.355, 110.925

■ 60, 7.772, 291.930

■ 61, 15.890,
292.775

■ 61, 23.980,
293.589

Harmonies

Complementary

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



58, 46.575, 105.849



29, 55.379, 299.808

Rectangle

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



58, 46.575, 105.849



58, 46.575, 155.849



58, 46.575, 285.849



58, 46.575, 335.849

Sweetspot

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



58, 46.576, 105.851



75, 17.959, 109.428



37, 40.962, 28.078



39, 12.565, 109.188



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, 46.576, 105.851



73, 66.312, 104.977



55, 50.794, 127.050



30, 4.547, 110.260



54, 60.492, 104.246



2, 3.085, 111.085

Inverse Universe

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



29, 55.379, 299.808



31, 83.680, 302.651



33, 55.263, 312.522



27, 4.644, 291.969



14, 83.353, 306.386



0, 3.086, 291.087

Previews

White Background



This preview shows how the CIELCh color 58, 46.575, 105.849 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, 46.575, 105.849 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, 46.575, 105.849

Background



This preview shows how black text looks on a background with the CIELCh color 58, 46.575, 105.849.



This preview shows how white text looks on a background with the CIELCh color 58, 46.575, 105.849.

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, 46.575, 105.849

Protanopia

58, 45.877, 96.083

Deuteranopia

58, 44.632, 79.839



Tritanopia
58, 8.858, 335.480

Trichromacy



Original Color
58, 46.575, 105.849

Protanomaly
58, 45.927, 99.573

Deuteranomaly
58, 43.982, 89.114

Tritanomaly
58, 14.224, 91.347

Monochromacy



Original Color
58, 46.575, 105.849

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 18.112, 109.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 46.575, 105.849 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(142, 144, 57)` looks like.

```
.text, #text, p{  
    color:rgb(142, 144, 57)  
}
```

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(142, 144, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 144, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 46.575, 105.849 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(142, 144, 57) }
```

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

```
.border{ border-color:rgb(142, 144, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 144, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 144, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 144, 57);  
box-shadow:4px 4px 4px 4px rgb(142, 144,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 46.575, 105.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 144, 57) }
```

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

```
.background{ background-color: rgb(142,  
144, 57) }
```

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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