

Converting Colors

CIELCh(58, 55.265, 89.232)

Have a look what the booklet for
CIELCh(58, 55.265, 89.232) contains.

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Color

CIELCh(58, 55.438, 89.419)

Conversions

Conversions Part 1

Format	Color
Hex	A68921
RGB	166, 137, 33
RGB Percent	65%, 54%, 13%
CMY	0.3506, 0.4641, 0.8722
CMYK	0.00, 0.17, 0.80, 0.35
HSL	47°, 67%, 39%
HSV	47°, 80%, 65%
XYZ	24.8058, 25.9610, 5.1121
YIQ	133.8150, 50.6680, -26.1960

Conversions

Conversions Part 2

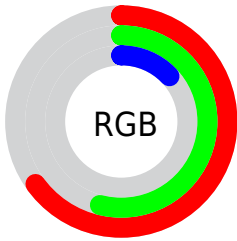
Format	Color
R_{YB}	70, 166, 33
Decimal	10914081
CIE _{Lab}	58.00, 0.56, 55.44
CIE _{LCh}	58, 55.438, 89.419
Yxy	25.9610, 0.4439, 0.4646
Android (android.graphics.Color)	4289104161 (0xFFA68921)
YUV	133.8150, -49.7018, 28.2262
Hunter-Lab	50.9519, -2.2635, 29.7177

Details

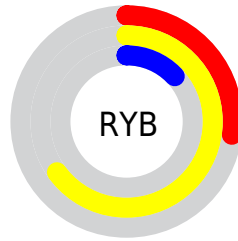
The CIELCh color **58, 55.438, 89.419** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **31, 65.527, 295.973**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 55.304, 89.573**, and **38, 46.187, 88.663** is the 20% darker color. If you saturate the color by 10%, you get **57, 59.225, 87.980**, and if you desaturate by 10%, it is **59, 50.082, 90.762**.

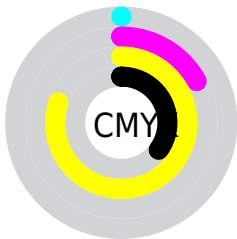
Distribution



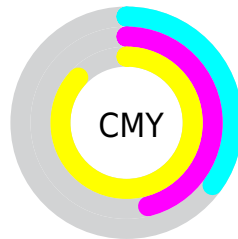
- Red (65%)
- Green (54%)
- Blue (13%)



- Red (27%)
- Yellow (65%)
- Blue (13%)



- Cyan (0%)
- Magenta (17%)
- Yellow (80%)
- Black (35%)



- Cyan (35%)
- Magenta (46%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 55.438, 89.419 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, 55.438, 89.419 by changing the saturation by 10% instead.

■ 58, 55.438, 89.419

■ 58, 55.438, 89.419

■ 100, 55.438,
89.419

■ 48, 55.438, 89.419

■ 78, 55.438, 89.419

■ 38, 55.438, 89.419

■ 88, 55.438, 89.419

■ 28, 55.438, 89.419

■ 98, 55.438, 89.419

■ 18, 55.438, 89.419

■ 8, 55.438, 89.419

■ 0, 55.438, 89.419

■ 58, 55.438, 89.419

■ 58, 55.438, 89.419

■ 57, 59.225, 87.980

■ 59, 50.082, 90.762

■ 56, 61.437, 86.477

■ 60, 43.718, 92.053

61, 36.780, 93.317

63, 29.553, 94.562

64, 22.206, 95.784

65, 14.836, 96.980

67, 7.500, 98.136

68, 0.224, 98.637

69, 6.976, 280.394

Harmonies

Complementary

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



58, 55.438, 89.419



31, 65.527, 295.973

Rectangle

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



58, 55.438, 89.419



58, 55.438, 139.419



58, 55.438, 269.419



58, 55.438, 319.419

Sweetspot

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



58, 55.438, 89.422



82, 21.637, 96.492



37, 56.507, 16.774



43, 14.853, 96.087



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



58, 55.438, 89.422



71, 73.563, 86.800



63, 66.379, 116.987



34, 4.059, 98.256



50, 55.884, 86.683



4, 5.978, 95.999

Inverse Universe

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



31, 65.527, 295.973



33, 97.650, 301.089



27, 81.650, 307.379



32, 4.100, 280.440



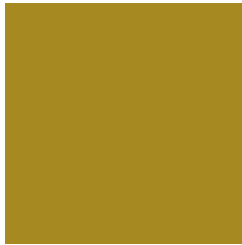
20, 74.176, 301.299



1, 6.456, 280.573

Previews

White Background



This preview shows how the CIELCh color 58, 55.438, 89.419 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, 55.438, 89.419 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, 55.438, 89.419

Background



This preview shows how black text looks on a background with the CIELCh color 58, 55.438, 89.419.



This preview shows how white text looks on a background with the CIELCh color 58, 55.438, 89.419.

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, 55.438, 89.419

Protanopia

58, 55.284, 95.387

Deuteranopia

58, 55.486, 81.765



Tritanopia
58, 19.389, 4.759

Trichromacy



Original Color
58, 55.438, 89.419

Protanomaly
58, 55.257, 93.398

Deuteranomaly
58, 55.403, 84.833

Tritanomaly
58, 25.397, 65.192

Monochromacy



Original Color
58, 55.438, 89.419

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 22.076, 94.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 55.438, 89.419 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(166, 137, 33)` looks like.

```
.text, #text, p{  
    color:rgb(166, 137, 33)  
}
```

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(166, 137, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 137, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 55.438, 89.419 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(166, 137, 33) }
```

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

```
.border{ border-color:rgb(166, 137, 33) }
```

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

Here you see how a box with a 4 pixel rgb(166, 137, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 137, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 137, 33);  
box-shadow:4px 4px 4px 4px rgb(166, 137,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 55.438, 89.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 137, 33) }
```

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

```
.background{ background-color: rgb(166,  
137, 33) }
```

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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