

Converting Colors

CIELCh(59, 49.152, 88.741)

Have a look what the booklet for
CIELCh(59, 49.152, 88.741) contains.

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Color

CIELCh(59, 49.284, 88.599)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A88B33 |
| RGB | 168, 139, 51 |
| RGB Percent | 66%, 55%, 20% |
| CMY | 0.3412, 0.4549, 0.8000 |
| CMYK | 0.00, 0.17, 0.70, 0.34 |
| HSL | 45°, 53%, 43% |
| HSV | 45°, 70%, 66% |
| XYZ | 25.9774, 27.0277, 6.9793 |
| YIQ | 137.6390, 45.5320, -21.2200 |

Conversions

Conversions Part 2

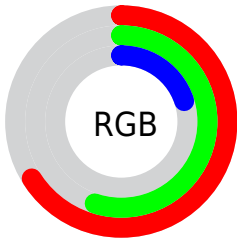
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 90, 168, 51 |
| Decimal | 11045683 |
| CIE Lab | 59.00, 1.20, 49.27 |
| CIE LCh | 59, 49.284, 88.599 |
| Yxy | 27.0277, 0.4331, 0.4506 |
| Android (android.graphics.Color) | 4289235763 (0xFFA88B33) |
| YUV | 137.6390, -42.7130, 26.6266 |
| Hunter-Lab | 51.9882, -1.7868, 28.4323 |

Details

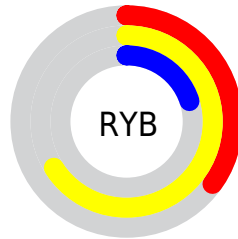
The CIELCh color **59, 49.284, 88.599** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **36, 54.260, 291.173**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 49.305, 88.483**, and **39, 46.662, 88.188** is the 20% darker color. If you saturate the color by 10%, you get **58, 54.833, 87.165**, and if you desaturate by 10%, it is **60, 42.809, 89.963**.

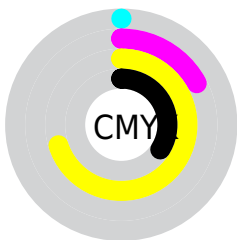
Distribution



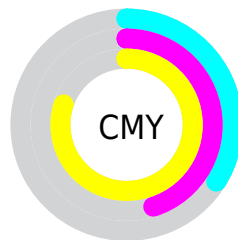
- Red (66%)
- Green (55%)
- Blue (20%)



- Red (35%)
- Yellow (66%)
- Blue (20%)



- Cyan (0%)
- Magenta (17%)
- Yellow (70%)
- Black (34%)



- Cyan (34%)
- Magenta (45%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 49.284, 88.599 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 59, 49.284, 88.599 by changing the saturation by 10% instead.

■ 59, 49.284, 88.599

■ 59, 49.284, 88.599

■ 100, 49.284,
88.599

■ 49, 49.284, 88.599

■ 79, 49.284, 88.599

■ 39, 49.284, 88.599

■ 89, 49.284, 88.599

■ 29, 49.284, 88.599

■ 99, 49.284, 88.599

■ 19, 49.284, 88.599

■ 9, 49.284, 88.599

■ 0, 49.284, 88.599

■ 59, 49.284, 88.599

■ 59, 49.284, 88.599

■ 58, 54.833, 87.165

■ 60, 42.809, 89.963

■ 57, 58.877, 85.584

■ 62, 35.834, 91.282

55, 61.321, 83.831

63, 28.627, 92.571

55, 61.409, 83.770

64, 21.346, 93.830

66, 14.077, 95.057

67, 6.867, 96.239

69, 0.261, 278.040

71, 7.298, 278.550

72, 14.241,
279.602

Harmonies

Complementary

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



59, 49.284, 88.599



36, 54.260, 291.173

Rectangle

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



59, 49.284, 88.599



59, 49.284, 138.599



59, 49.284, 268.599



59, 49.284, 318.599

Sweetspot

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



59, 49.284, 88.602



84, 18.712, 94.845



40, 50.725, 11.452



44, 12.663, 94.525



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



59, 49.284, 88.602



73, 70.062, 86.256



65, 60.583, 116.203



35, 4.035, 96.280



49, 55.969, 84.002



5, 6.825, 92.408

Inverse Universe

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



36, 54.260, 291.173



40, 83.124, 296.147



32, 72.379, 306.143



33, 4.066, 278.529



22, 72.451, 300.155



1, 7.631, 279.594

Previews

White Background



This preview shows how the CIELCh color 59, 49.284, 88.599 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 59, 49.284, 88.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

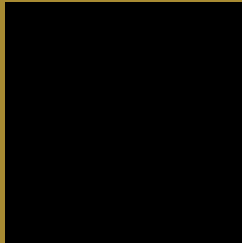
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 49.284, 88.599

Background



This preview shows how black text looks on a background with the CIELCh color 59, 49.284, 88.599.



This preview shows how white text looks on a background with the CIELCh color 59, 49.284, 88.599.

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


59, 49.284, 88.599

Protanopia

59, 48.695, 95.211

Deuteranopia

59, 49.592, 81.298



Tritanopia
59, 18.919, 4.286

Trichromacy



Original Color
59, 49.284, 88.599

Protanomaly
59, 48.662, 92.981

Deuteranomaly
59, 49.175, 83.450

Tritanomaly
59, 22.367, 59.232

Monochromacy



Original Color
59, 49.284, 88.599

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 18.694, 93.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 49.284, 88.599 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(168, 139, 51)` looks like.

```
.text, #text, p{  
    color:rgb(168, 139, 51)  
}
```

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(168, 139, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 139, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 49.284, 88.599 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(168, 139, 51) }
```

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

```
.border{ border-color:rgb(168, 139, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 139, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 139, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 139, 51);  
box-shadow:4px 4px 4px 4px rgb(168, 139,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 49.284, 88.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 139, 51) }
```

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

```
.background{ background-color: rgb(168,  
139, 51) }
```

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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