

Converting Colors

CIELCh(58, 49.762, 94.712)

Have a look what the booklet for
CIELCh(58, 49.762, 94.712) contains.

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Color

CIELCh(58, 49.660, 94.592)

Conversions

Conversions Part 1

Format	Color
Hex	9D8B2F
RGB	157, 139, 47
RGB Percent	62%, 55%, 18%
CMY	0.3830, 0.4537, 0.8145
CMYK	0.00, 0.11, 0.70, 0.38
HSL	50°, 54%, 40%
HSV	50°, 70%, 62%
XYZ	23.7639, 25.9610, 6.4801
YIQ	133.8940, 40.2600, -24.7960

Conversions

Conversions Part 2

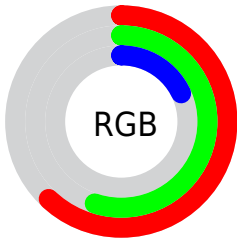
Format	Color
R_{YB}	69, 157, 47
Decimal	10324783
CIE _{Lab}	58.00, -3.98, 49.50
CIE _{LCh}	58, 49.660, 94.592
Yxy	25.9610, 0.4228, 0.4619
Android (android.graphics.Color)	4288514863 (0xFF9D8B2F)
YUV	133.8940, -42.8387, 20.2640
Hunter-Lab	50.9519, -5.9138, 28.1258

Details

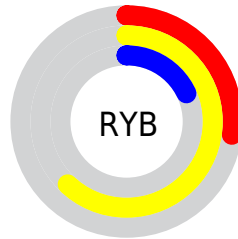
The CIELCh color **58, 49.660, 94.592** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **32, 57.846, 295.402**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 49.754, 94.597**, and **38, 45.497, 94.424** is the 20% darker color. If you saturate the color by 10%, you get **57, 54.834, 93.455**, and if you desaturate by 10%, it is **59, 43.458, 95.738**.

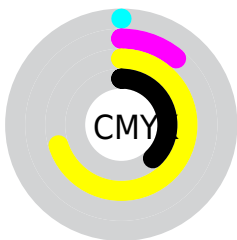
Distribution



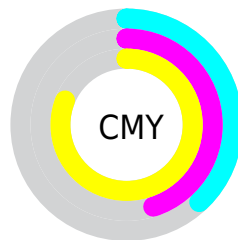
- Red (62%)
- Green (55%)
- Blue (18%)



- Red (27%)
- Yellow (62%)
- Blue (18%)



- Cyan (0%)
- Magenta (11%)
- Yellow (70%)
- Black (38%)



- Cyan (38%)
- Magenta (45%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 49.660, 94.592 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, 49.660, 94.592 by changing the saturation by 10% instead.

 58, 49.660, 94.592

 58, 49.660, 94.592

 100, 49.660,
94.592

 48, 49.660, 94.592

 78, 49.660, 94.592

 38, 49.660, 94.592

 88, 49.660, 94.592

 28, 49.660, 94.592

 98, 49.660, 94.592

 18, 49.660, 94.592

 8, 49.660, 94.592

 0, 49.660, 94.592

 58, 49.660, 94.592

 58, 49.660, 94.592

 57, 54.834, 93.455

 59, 43.458, 95.738

 56, 58.480, 92.301

 60, 36.635, 96.889

■ 56, 60.680, 91.120

■ 61, 29.468, 98.041

■ 56, 60.695, 91.112

■ 62, 22.132, 99.186

■ 63, 14.728,
100.313

■ 64, 7.320, 101.411

■ 65, 0.059, 284.450

■ 66, 7.389, 283.554

■ 67, 14.660,
284.543

Harmonies

Complementary

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



58, 49.660, 94.592



32, 57.846, 295.402

Rectangle

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



58, 49.660, 94.592



58, 49.660, 144.592



58, 49.660, 274.592



58, 49.660, 324.592

Sweetspot

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



58, 49.660, 94.595



79, 19.180, 100.149



37, 48.975, 17.980



41, 12.956, 99.864



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



58, 49.660, 94.595



72, 69.261, 92.805



60, 58.723, 119.860



33, 4.184, 101.484



51, 56.583, 91.223



3, 5.308, 100.818

Inverse Universe

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



32, 57.846, 295.402



34, 87.516, 299.748



30, 68.588, 308.065



31, 4.240, 283.558



18, 77.536, 303.039



1, 5.529, 282.959

Previews

White Background



This preview shows how the CIELCh color 58, 49.660, 94.592 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, 49.660, 94.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

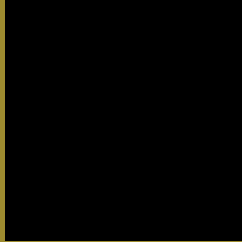
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 49.660, 94.592

Background



This preview shows how black text looks on a background with the CIELCh color 58, 49.660, 94.592.



This preview shows how white text looks on a background with the CIELCh color 58, 49.660, 94.592.

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, 49.660, 94.592

Protanopia

58, 49.903, 95.721

Deuteranopia

58, 49.439, 81.665



Tritanopia
58, 15.073, 359.090

Trichromacy



Original Color
58, 49.660, 94.592

Protanomaly
58, 49.903, 95.721

Deuteranomaly
58, 49.139, 86.141

Tritanomaly
58, 20.009, 69.340

Monochromacy



Original Color
58, 49.660, 94.592

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 19.415, 100.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 49.660, 94.592 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(157, 139, 47)` looks like.

```
.text, #text, p{  
    color:rgb(157, 139, 47)  
}
```

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(157, 139, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 139, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 49.660, 94.592 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(157, 139, 47) }
```

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

```
.border{ border-color:rgb(157, 139, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 139, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 139, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 139, 47);  
box-shadow:4px 4px 4px 4px rgb(157, 139,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 49.660, 94.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 139, 47) }
```

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

```
.background{ background-color: rgb(157,  
139, 47) }
```

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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