

Converting Colors

CIELCh(58, 50.701, 81.193)

Have a look what the booklet for
CIELCh(58, 50.701, 81.193) contains.

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Color

CIELCh(58, 50.896, 81.572)

Conversions

Conversions Part 1

Format	Color
Hex	AF852F
RGB	175, 133, 47
RGB Percent	69%, 52%, 18%
CMY	0.3152, 0.4797, 0.8170
CMYK	0.00, 0.24, 0.73, 0.32
HSL	40°, 58%, 43%
HSV	40°, 73%, 68%
XYZ	26.4472, 25.9610, 6.2718
YIQ	135.7540, 52.6380, -17.8420

Conversions

Conversions Part 2

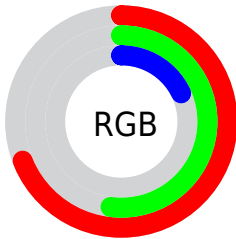
Format	Color
R _Y B	110, 175, 47
Decimal	11502895
CIE Lab	58.00, 7.46, 50.35
CIE LCh	58, 50.896, 81.572
Yxy	25.9610, 0.4507, 0.4424
Android (android.graphics.Color)	4289692975 (0xFFAF852F)
YUV	135.7540, -43.7557, 34.4187
Hunter-Lab	50.9519, 3.4866, 28.3682

Details

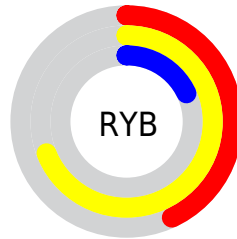
The CIELCh color **58, 50.896, 81.572** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **39, 52.641, 287.439**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 51.039, 81.603**, and **38, 47.086, 80.922** is the 20% darker color. If you saturate the color by 10%, you get **56, 56.421, 79.847**, and if you desaturate by 10%, it is **60, 44.391, 83.125**.

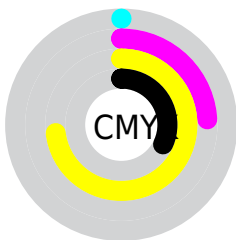
Distribution



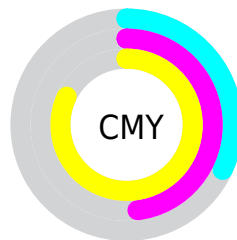
- Red (69%)
- Green (52%)
- Blue (18%)



- Red (43%)
- Yellow (69%)
- Blue (18%)



- Cyan (0%)
- Magenta (24%)
- Yellow (73%)
- Black (32%)



- Cyan (32%)
- Magenta (48%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 50.896, 81.572 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, 50.896, 81.572 by changing the saturation by 10% instead.

■ 58, 50.896, 81.572

■ 58, 50.896, 81.572

■ 100, 50.896,
81.572

■ 48, 50.896, 81.572

■ 78, 50.896, 81.572

■ 38, 50.896, 81.572

■ 88, 50.896, 81.572

■ 28, 50.896, 81.572

■ 98, 50.896, 81.572

■ 18, 50.896, 81.572

■ 8, 50.896, 81.572

■ 0, 50.896, 81.572

■ 58, 50.896, 81.572

■ 58, 50.896, 81.572

■ 56, 56.421, 79.847

■ 60, 44.391, 83.125

■ 55, 60.288, 77.795

■ 61, 37.407, 84.578

■ 54, 62.166, 76.285

■ 63, 30.248, 85.974

■ 65, 23.082, 87.327

■ 67, 15.995, 88.640

■ 69, 9.028, 89.907

■ 71, 2.197, 91.068

■ 73, 4.495, 272.402

■ 75, 11.053,
273.514

Harmonies

Complementary

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



58, 50.896, 81.572



39, 52.641, 287.439

Rectangle

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



58, 50.896, 81.572



58, 50.896, 131.572



58, 50.896, 261.572



58, 50.896, 311.572

Sweetspot

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



58, 50.896, 81.575



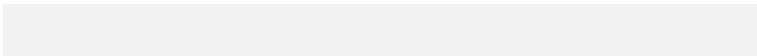
85, 18.694, 88.755



41, 54.473, 6.053



45, 12.695, 88.412



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



58, 50.896, 81.575



71, 71.858, 78.612



68, 63.958, 112.215



36, 3.811, 90.393



47, 55.722, 76.649



5, 7.306, 83.478

Inverse Universe

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



39, 52.641, 287.439



44, 79.752, 293.153



30, 78.982, 304.901



34, 3.813, 272.785



25, 65.445, 296.309



2, 8.544, 276.045

Previews

White Background



This preview shows how the CIELCh color 58, 50.896, 81.572 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, 50.896, 81.572 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, 50.896, 81.572

Background



This preview shows how black text looks on a background with the CIELCh color 58, 50.896, 81.572.



This preview shows how white text looks on a background with the CIELCh color 58, 50.896, 81.572.

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, 50.896, 81.572

Protanopia

58, 49.059, 95.684

Deuteranopia

58, 50.896, 81.572



Tritanopia
58, 23.870, 8.622

Trichromacy



Original Color
58, 50.896, 81.572

Protanomaly
58, 49.314, 90.128

Deuteranomaly
58, 50.896, 81.572

Tritanomaly
58, 27.469, 51.809

Monochromacy



Original Color
58, 50.896, 81.572

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 18.797, 87.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 50.896, 81.572 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(175, 133, 47)` looks like.

```
.text, #text, p{  
    color:rgb(175, 133, 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(175, 133, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 133, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 50.896, 81.572 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(175, 133, 47) }
```

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

```
.border{ border-color:rgb(175, 133, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 133, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 133, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 133, 47);  
box-shadow:4px 4px 4px 4px rgb(175, 133,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 50.896, 81.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 133, 47) }
```

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

```
.background{ background-color: rgb(175,  
133, 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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