

Converting Colors

CIELCh(56, 58.784, 82.675)

Have a look what the booklet for
CIELCh(56, 58.784, 82.675) contains.

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Color

CIELCh(56, 58.555, 82.625)

Conversions

Conversions Part 1

Format	Color
Hex	AA7F13
RGB	170, 127, 19
RGB Percent	67%, 50%, 7%
CMY	0.3317, 0.5005, 0.9272
CMYK	0.00, 0.25, 0.89, 0.33
HSL	43°, 80%, 37%
HSV	43°, 89%, 67%
XYZ	24.4197, 23.9124, 3.9249
YIQ	127.5450, 60.2960, -24.4720

Conversions

Conversions Part 2

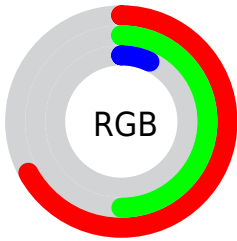
Format	Color
R_{YB}	79, 170, 19
Decimal	11173651
CIE Lab	56.00, 7.52, 58.07
CIE LCh	56, 58.555, 82.625
Yxy	23.9124, 0.4673, 0.4576
Android (android.graphics.Color)	4289363731 (0xFFAA7F13)
YUV	127.5450, -53.5127, 37.2330
Hunter-Lab	48.9003, 3.5633, 29.4714

Details

The CIELCh color **56, 58.555, 82.625** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **31, 68.470, 295.495**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 58.270, 82.495**, and **36, 45.474, 79.114** is the 20% darker color. If you saturate the color by 10%, you get **55, 61.224, 80.653**, and if you desaturate by 10%, it is **57, 54.224, 84.356**.

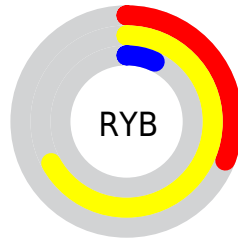
Distribution



Red (67%)

Green (50%)

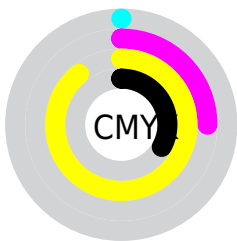
Blue (7%)



Red (31%)

Yellow (67%)

Blue (7%)

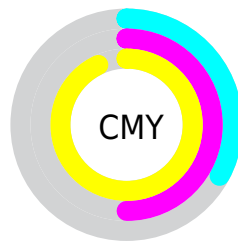


Cyan (0%)

Magenta (25%)

Yellow (89%)

Black (33%)



Cyan (33%)

Magenta (50%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 58.555, 82.625 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 56, 58.555, 82.625 by changing the saturation by 10% instead.

■ 56, 58.555, 82.625

■ 56, 58.555, 82.625

■ 100, 58.555,
82.625

■ 46, 58.555, 82.625

■ 76, 58.555, 82.625

■ 36, 58.555, 82.625

■ 86, 58.555, 82.625

■ 26, 58.555, 82.625

■ 96, 58.555, 82.625

■ 16, 58.555, 82.625

■ 6, 58.555, 82.625

■ 0, 58.555, 82.625

■ 56, 58.555, 82.625

■ 56, 58.555, 82.625

■ 55, 61.224, 80.653

■ 57, 54.224, 84.356

■ 55, 61.461, 80.481

■ 59, 48.469, 85.892

60, 41.881, 87.325

62, 34.877, 88.698

63, 27.708, 90.032

65, 20.515, 91.329

67, 13.374, 92.589

68, 6.322, 93.799

70, 0.623, 275.307

Harmonies

Complementary

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



56, 58.555, 82.625



31, 68.470, 295.495

Rectangle

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



56, 58.555, 82.625



56, 58.555, 132.625



56, 58.555, 262.625



56, 58.555, 312.625

Sweetspot

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



56, 58.554, 82.628



83, 23.558, 91.537



37, 60.853, 15.212



43, 16.035, 91.114



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



56, 58.554, 82.628



70, 74.746, 80.010



65, 70.654, 114.028



35, 3.889, 93.779



48, 55.420, 80.781



4, 6.549, 89.194

Inverse Universe

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



31, 68.470, 295.495



36, 96.036, 299.537



24, 91.243, 306.891



33, 3.907, 276.091



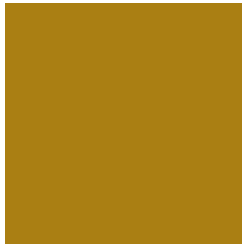
23, 68.996, 298.557



2, 7.382, 277.633

Previews

White Background



This preview shows how the CIELCh color 56, 58.555, 82.625 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 56, 58.555, 82.625 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 56, 58.555, 82.625

Background



This preview shows how black text looks on a background with the CIELCh color 56, 58.555, 82.625.



This preview shows how white text looks on a background with the CIELCh color 56, 58.555, 82.625.

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

56, 58.318, 82.573

Protanopia

56, 57.009, 95.185

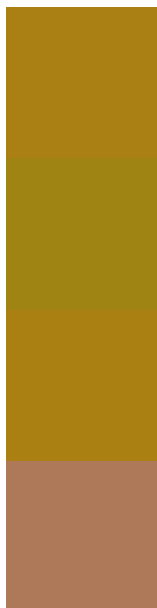
Deuteranopia

56, 58.690, 83.192



Tritanopia
56, 24.429, 10.374

Trichromacy



Original Color
56, 58.318, 82.573

Protanomaly
56, 57.208, 90.289

Deuteranomaly
56, 58.690, 83.192

Tritanomaly
55, 31.231, 57.489

Monochromacy



Original Color
56, 58.318, 82.573

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 23.820, 90.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 58.555, 82.625 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(170, 127, 19)` looks like.

```
.text, #text, p{  
    color:rgb(170, 127, 19)  
}
```

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(170, 127, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 127, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 58.555, 82.625 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(170, 127, 19) }
```

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

```
.border{ border-color:rgb(170, 127, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 127, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 127, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 127, 19);  
box-shadow:4px 4px 4px 4px rgb(170, 127,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 58.555, 82.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 127, 19) }
```

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

```
.background{ background-color: rgb(170,  
127, 19) }
```

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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