

Converting Colors

CIELCh(56, 9.782, 117.176)

Have a look what the booklet for
CIELCh(56, 9.782, 117.176) contains.

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Color

CIELCh(56, 9.758, 116.232)

Conversions

Conversions Part 1

Format	Color
Hex	858877
RGB	133, 136, 119
RGB Percent	52%, 53%, 47%
CMY	0.4786, 0.4668, 0.5335
CMYK	0.02, 0.00, 0.13, 0.47
HSL	71°, 7%, 50%
HSV	71°, 13%, 53%
XYZ	21.7935, 23.9124, 20.9082
YIQ	133.1650, 3.6690, -5.9230

Conversions

Conversions Part 2

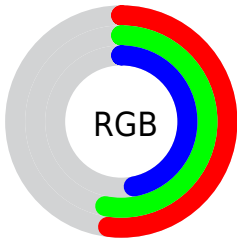
Format	Color
R_{YB}	119, 136, 122
Decimal	8751223
CIE Lab	56.00, -4.31, 8.75
CIE LCh	56, 9.758, 116.232
Yxy	23.9124, 0.3272, 0.3590
Android (android.graphics.Color)	4286941303 (0xFF858877)
YUV	133.1650, -6.9833, -0.1447
Hunter-Lab	48.9003, -6.0230, 8.8797

Details

The CIELCh color $56, 9.758, 116.232$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $51, 10.019, 298.008$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 9.719, 116.028$, and $36, 9.353, 116.907$ is the 20% darker color. If you saturate the color by 10%, you get $55, 17.514, 115.542$, and if you desaturate by 10%, it is $57, 1.951, 116.923$.

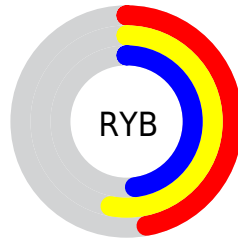
Distribution



Red (52%)

Green (53%)

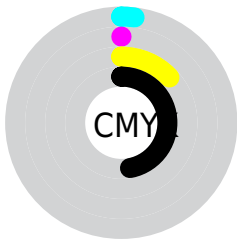
Blue (47%)



Red (47%)

Yellow (53%)

Blue (48%)

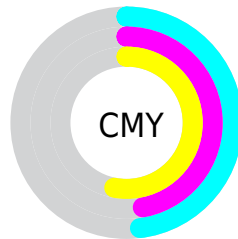


Cyan (2%)

Magenta (0%)

Yellow (13%)

Black (47%)



Cyan (48%)

Magenta (47%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 9.758, 116.232 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, 9.758, 116.232 by changing the saturation by 10% instead.

■ 56, 9.758, 116.232

■ 56, 9.758, 116.232

■ 100, 9.758,
116.232

■ 46, 9.758, 116.232

■ 76, 9.758, 116.232

■ 36, 9.758, 116.232

■ 86, 9.758, 116.232

■ 26, 9.758, 116.232

■ 96, 9.758, 116.232

■ 16, 9.758, 116.232

■ 6, 9.758, 116.232

■ 0, 9.758, 116.232

■ 56, 9.758, 116.232

■ 56, 9.758, 116.232

■ 55, 17.514,
115.542

■ 57, 1.951, 116.923

■ 57, 5.870, 297.585

■ 55, 25.156,
114.851

■ 58, 13.677,
298.220

■ 55, 32.599,
114.186

■ 58, 21.448,
298.824

■ 54, 39.714,
113.580

■ 59, 29.168,
299.393

■ 54, 46.309,
113.079

■ 60, 36.825,
299.928

■ 54, 52.115,
112.744

■ 61, 44.411,
300.427

■ 53, 56.800,
112.652

■ 62, 51.917,
300.893

■ 53, 60.050,
112.880

■ 62, 59.339,
301.326

■ 53, 61.935,
113.161

Harmonies

Complementary

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



56, 9.758, 116.232



51, 10.019, 298.008

Rectangle

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



56, 9.758, 116.232



56, 9.758, 166.232



56, 9.758, 296.232



56, 9.758, 346.232

Sweetspot

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



56, 9.759, 116.238



72, 3.852, 116.815



52, 6.054, 35.595



38, 2.760, 116.769



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



56, 9.759, 116.238



71, 14.443, 116.042



55, 10.769, 134.161



29, 4.452, 116.468



52, 60.815, 113.138



1, 2.075, 117.089

Inverse Universe

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



51, 10.019, 298.008



63, 14.912, 298.239



52, 10.886, 315.162



27, 4.541, 297.747



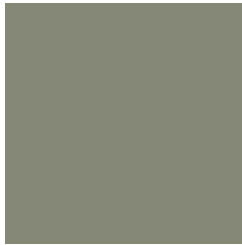
15, 81.118, 307.248



0, 2.075, 297.089

Previews

White Background



This preview shows how the CIE LCh color 56, 9.758, 116.232 looks on a white background.

Color Contrast Check

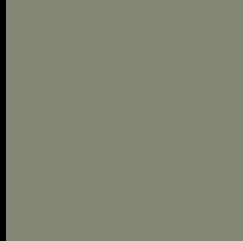
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 56, 9.758, 116.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

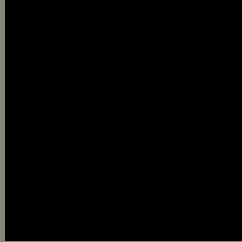
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

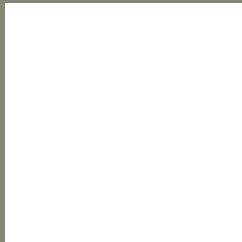
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 9.758, 116.232

Background



This preview shows how black text looks on a background with the CIELCh color 56, 9.758, 116.232.



This preview shows how white text looks on a background with the CIELCh color 56, 9.758, 116.232.

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, 9.758, 116.232

Protanopia

56, 9.441, 93.817

Deuteranopia

56, 10.927, 48.108



Tritanopia
56, 5.863, 302.191

Trichromacy



Original Color
56, 9.758, 116.232

Protanomaly
56, 9.707, 104.132

Deuteranomaly
56, 8.718, 71.183

Tritanomaly
56, 0.395, 18.405

Monochromacy



Original Color
56, 9.758, 116.232

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 3.450, 116.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 9.758, 116.232 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(133, 136, 119)` looks like.

```
.text, #text, p{  
    color:rgb(133, 136, 119)  
}
```

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(133, 136, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 136, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 9.758, 116.232 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(133, 136, 119) }
```

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

```
.border{ border-color:rgb(133, 136, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 136, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 136, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 136, 119);  
box-shadow:4px 4px 4px 4px rgb(133, 136,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 9.758, 116.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 136, 119) }
```

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

```
.background{ background-color: rgb(133,  
136, 119) }
```

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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