

Converting Colors

CIELCh(56, 50.063, 150.121)

Have a look what the booklet for
CIELCh(56, 50.063, 150.121)
contains.

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Color

CIELCh(56, 50.099, 150.217)

Conversions

Conversions Part 1

Format	Color
Hex	349859
RGB	52, 152, 89
RGB Percent	20%, 60%, 35%
CMY	0.7960, 0.4039, 0.6509
CMYK	0.66, 0.00, 0.41, 0.40
HSL	142°, 49%, 40%
HSV	142°, 66%, 60%
XYZ	14.4509, 23.9124, 13.3076
YIQ	114.9180, -39.3770, -40.7930

Conversions

Conversions Part 2

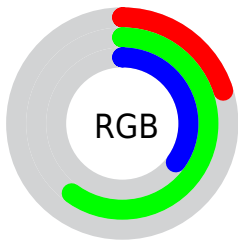
Format	Color
RYB	52, 125, 152
Decimal	3446873
CIELab	56.00, -43.48, 24.88
CIElCh	56, 50.099, 150.217
Yxy	23.9124, 0.2797, 0.4628
Android (android.graphics.Color)	4281636953 (0xFF349859)
YUV	114.9180, -12.7776, -55.1791
Hunter-Lab	48.9003, -32.8257, 18.0952

Details

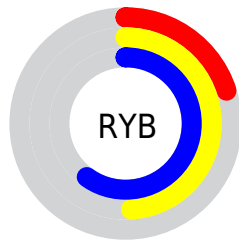
The CIELCh color **56, 50.099, 150.217** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **39, 50.400, 343.411**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 49.842, 150.323**, and **37, 46.973, 146.892** is the 20% darker color. If you saturate the color by 10%, you get **56, 56.145, 148.529**, and if you desaturate by 10%, it is **57, 43.403, 151.714**.

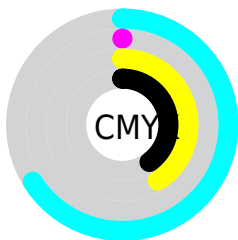
Distribution



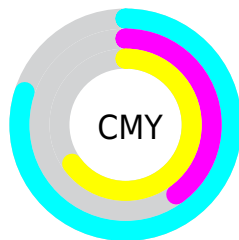
- Red (20%)
- Green (60%)
- Blue (35%)



- Red (20%)
- Yellow (49%)
- Blue (60%)



- Cyan (66%)
- Magenta (0%)
- Yellow (41%)
- Black (40%)




- Cyan (80%)
- Magenta (40%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 50.099, 150.217 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, 50.099, 150.217 by changing the saturation by 10% instead.

 56, 50.099,
150.217


 56, 50.099,
150.217


 100, 50.099,
150.217

 46, 50.099,
150.217


 76, 50.099,
150.217

 36, 50.099,
150.217

 86, 50.099,
150.217

 26, 50.099,
150.217

 96, 50.099,
150.217

 16, 50.099,
150.217

 6, 50.099, 150.217

 0, 50.099, 150.217

■ 56, 50.099,
150.217

■ 56, 50.099,
150.217

■ 56, 56.145,
148.529

■ 57, 43.403,
151.714

■ 55, 61.453,
146.657

■ 57, 36.174,
153.030

■ 55, 66.005,
144.649

■ 58, 28.551,
154.183

■ 55, 67.791,
143.854

■ 59, 20.670,
155.195

■ 61, 12.657,
156.089

■ 62, 4.619, 156.911

■ 63, 3.360, 337.455

■ 65, 11.215,
338.140

■ 67, 18.899,
338.712

Harmonies

Complementary

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



56, 50.099, 150.217



39, 50.400, 343.411

Rectangle

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



56, 50.099, 150.217



56, 50.099, 200.217



56, 50.099, 330.217



56, 50.099, 20.217

Sweetspot

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



56, 50.100, 150.217



76, 19.769, 155.690



58, 54.834, 121.290



40, 13.592, 155.456



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



56, 50.100, 150.217



70, 71.013, 147.660



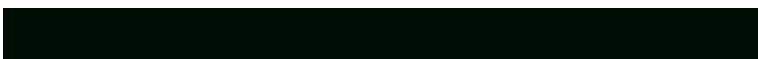
57, 31.932, 182.615



32, 4.548, 156.628



51, 63.684, 144.020



3, 4.931, 156.989

Inverse Universe

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



39, 50.400, 343.411



46, 68.946, 345.714



37, 45.257, 19.115



30, 4.579, 337.879



30, 57.060, 349.694



1, 4.872, 337.732

Previews

White Background



This preview shows how the CIELCh color 56, 50.099, 150.217 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, 50.099, 150.217 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, 50.099, 150.217

Background



This preview shows how black text looks on a background with the CIELCh color 56, 50.099, 150.217.



This preview shows how white text looks on a background with the CIELCh color 56, 50.099, 150.217.

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, 50.099, 150.217

Protanopia
56, 29.348, 95.148

Deuteranopia
56, 23.293, 72.955



Tritanopia
56, 22.730, 215.282

Trichromacy



Original Color
56, 50.099, 150.217



Protanomaly
55, 33.072, 127.608



Deuteranomaly
55, 26.028, 124.273



Tritanomaly
56, 28.534, 179.094

Monochromacy



Original Color
56, 50.099, 150.217



Achromatopsia
48, 0.006, 296.813



Achromatomaly
50, 19.294, 155.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 50.099, 150.217 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(52, 152, 89)` looks like.

```
.text, #text, p{  
    color:rgb(52, 152, 89)  
}
```

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(52, 152, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 152, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 50.099, 150.217 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(52, 152, 89) }
```

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

```
.border{ border-color:rgb(52, 152, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 152, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 152, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 152, 89);  
box-shadow:4px 4px 4px 4px rgb(52, 152,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 50.099, 150.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 152, 89) }
```

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

```
.background{ background-color: rgb(52, 152,  
89) }
```

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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