

Converting Colors

CIELCh(56, 19.640, 195.874)

Have a look what the booklet for
CIELCh(56, 19.640, 195.874)
contains.

CIELCh(56, 19.640, 195.874)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 19.640, 195.874)

Conversions

Conversions Part 1

Format	Color
Hex	57908F
RGB	87, 144, 143
RGB Percent	34%, 56%, 56%
CMY	0.6593, 0.4357, 0.4397
CMYK	0.40, 0.00, 0.01, 0.44
HSL	179°, 25%, 45%
HSV	179°, 40%, 56%
XYZ	18.8251, 23.9124, 29.5651
YIQ	126.8430, -33.6510, -12.3950

Conversions

Conversions Part 2

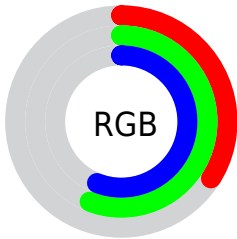
Format	Color
R _Y B	87, 116, 144
Decimal	5738639
CIE Lab	56.00, -18.89, -5.37
CIE LCh	56, 19.640, 195.874
Yxy	23.9124, 0.2604, 0.3307
Android (android.graphics.Color)	4283928719 (0xFF57908F)
YUV	126.8430, 7.9654, -34.9423
Hunter-Lab	48.9003, -16.8586, -1.6164

Details

The CIELCh color **56, 19.640, 195.874** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **43, 25.530, 21.772**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 19.570, 196.364**, and **36, 19.376, 196.943** is the 20% darker color. If you saturate the color by 10%, you get **55, 23.468, 195.429**, and if you desaturate by 10%, it is **57, 15.274, 196.356**.

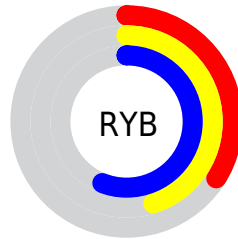
Distribution



Red (34%)

Green (56%)

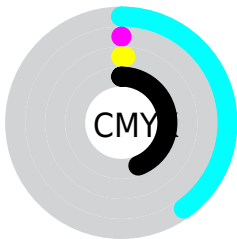
Blue (56%)



Red (34%)

Yellow (45%)

Blue (56%)

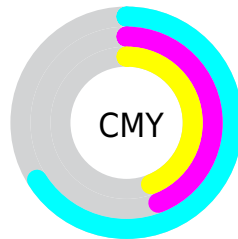


Cyan (40%)

Magenta (0%)

Yellow (1%)

Black (44%)



Cyan (66%)


Magenta (44%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 19.640, 195.874 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, 19.640, 195.874 by changing the saturation by 10% instead.


 56, 19.640,
195.874


 56, 19.640,
195.874


 100, 19.640,
195.874


 46, 19.640,
195.874


 76, 19.640,
195.874

 36, 19.640,
195.874

 86, 19.640,
195.874

 26, 19.640,
195.874

 96, 19.640,
195.874

 16, 19.640,
195.874

 6, 19.640, 195.874

 0, 19.640, 195.874

■ 56, 19.640,
195.874

■ 56, 19.640,
195.874

■ 55, 23.468,
195.429

■ 57, 15.274,
196.356

■ 55, 26.687,
195.030

■ 58, 10.453,
196.884

■ 54, 29.249,
194.672

■ 59, 5.261, 197.473

■ 54, 31.135,
194.351

■ 60, 0.217, 15.978

■ 61, 5.906, 18.491

■ 54, 32.364,
194.060

■ 62, 11.740, 19.140

■ 54, 33.122,
193.789

■ 64, 17.664, 19.775

■ 65, 23.633, 20.410

■ 54, 33.150,
193.779

■ 67, 29.613, 21.043

Harmonies

Complementary

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



56, 19.640, 195.874



43, 25.530, 21.772

Rectangle

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



56, 19.640, 195.874



56, 19.640, 245.874



56, 19.640, 15.874



56, 19.640, 65.874

Sweetspot

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



56, 19.640, 195.871



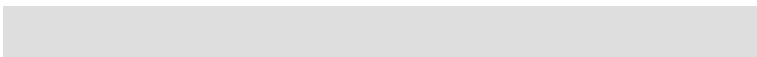
74, 8.050, 197.309



55, 39.100, 140.815



39, 5.366, 197.241



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



56, 19.640, 195.871



70, 28.101, 195.456



48, 18.342, 258.119



30, 3.074, 197.502



51, 31.672, 193.794



2, 2.122, 197.960

Inverse Universe

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



43, 25.530, 21.772



52, 39.236, 23.388



50, 20.954, 67.169



28, 3.245, 18.465



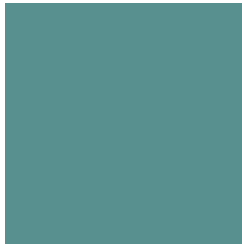
27, 63.569, 38.106



0, 2.123, 17.943

Previews

White Background



This preview shows how the CIELCh color 56, 19.640, 195.874 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, 19.640, 195.874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

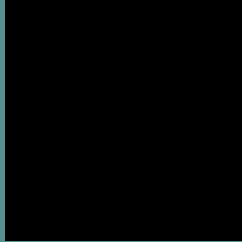
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 19.640, 195.874

Background



This preview shows how black text looks on a background with the CIELCh color 56, 19.640, 195.874.



This preview shows how white text looks on a background with the CIELCh color 56, 19.640, 195.874.

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, 19.640, 195.874

Protanopia

56, 1.903, 314.689

Deuteranopia

56, 10.150, 315.768



Tritanopia
56, 18.388, 220.055

Trichromacy



Original Color
56, 19.640, 195.874

Protanomaly
56, 7.218, 207.936

Deuteranomaly
56, 7.637, 247.926

Tritanomaly
56, 18.509, 210.384

Monochromacy



Original Color
56, 19.640, 195.874

Achromatopsia
53, 0.007, 296.813

Achromatomaly
54, 7.960, 198.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 19.640, 195.874 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(87, 144, 143)` looks like.

```
.text, #text, p{  
    color:rgb(87, 144, 143)  
}
```

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(87, 144, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 144, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 19.640, 195.874 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(87, 144, 143) }
```

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

```
.border{ border-color:rgb(87, 144, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 144, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 144, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 144, 143);  
box-shadow:4px 4px 4px 4px rgb(87, 144,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 19.640, 195.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 144, 143) }
```

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

```
.background{ background-color: rgb(87, 144,  
143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor