

Converting Colors

CIELCh(56, 19.838, 217.454)

Have a look what the booklet for
CIELCh(56, 19.838, 217.454)
contains.

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Color

CIELCh(56, 19.906, 218.147)

Conversions

Conversions Part 1

Format	Color
Hex	558F9B
RGB	85, 143, 155
RGB Percent	33%, 56%, 61%
CMY	0.6670, 0.4395, 0.3925
CMYK	0.45, 0.08, 0.00, 0.39
HSL	190°, 29%, 47%
HSV	190°, 45%, 61%
XYZ	19.4592, 23.9124, 34.5647
YIQ	127.0260, -38.4200, -8.5640

Conversions

Conversions Part 2

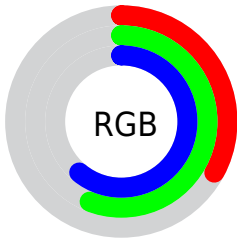
Format	Color
R_{YB}	85, 117, 155
Decimal	5607323
CIE _{Lab}	56.00, -15.65, -12.30
CIE _{LCh}	56, 19.906, 218.147
Yxy	23.9124, 0.2497, 0.3068
Android (android.graphics.Color)	4283797403 (0xFF558F9B)
YUV	127.0260, 13.7912, -36.8568
Hunter-Lab	48.9003, -14.5439, -7.6783

Details

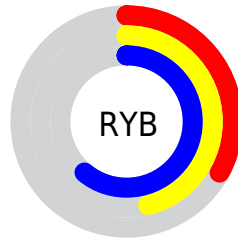
The CIELCh color **56, 19.906, 218.147** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **47, 27.728, 37.033**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 19.758, 217.340**, and **36, 19.971, 217.406** is the 20% darker color. If you saturate the color by 10%, you get **55, 23.076, 219.175**, and if you desaturate by 10%, it is **58, 16.201, 217.395**.

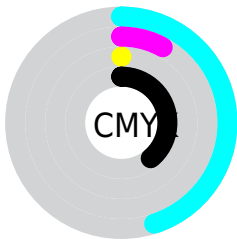
Distribution



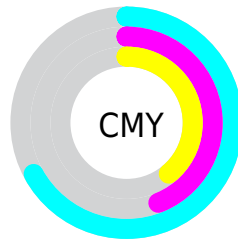
- Red (33%)
- Green (56%)
- Blue (61%)



- Red (33%)
- Yellow (46%)
- Blue (61%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (39%)





- Cyan (67%)
- Magenta (44%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 19.906, 218.147 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, 19.906, 218.147 by changing the saturation by 10% instead.


 56, 19.906,
218.147


 56, 19.906,
218.147


 100, 19.906,
218.147


 46, 19.906,
218.147


 76, 19.906,
218.147

 36, 19.906,
218.147

 86, 19.906,
218.147

 26, 19.906,
218.147

 96, 19.906,
218.147

 16, 19.906,
218.147

 6, 19.906, 218.147

 0, 19.906, 218.147

■ 56, 19.906,
218.147

■ 56, 19.906,
218.147

■ 55, 23.076,
219.175

■ 58, 16.201,
217.395

■ 53, 25.653,
220.549

■ 59, 12.035,
216.874

■ 52, 27.603,
222.334

■ 61, 7.483, 216.546

■ 51, 28.932,
224.599

■ 63, 2.621, 216.448

■ 65, 2.486, 35.993

■ 50, 29.708,
227.393

■ 67, 7.778, 36.103

■ 49, 30.015,
228.810

■ 69, 13.207, 36.179

■ 71, 18.732, 36.290

■ 73, 24.321, 36.434

Harmonies

Complementary

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



56, 19.906, 218.147



47, 27.728, 37.033

Rectangle

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



56, 19.906, 218.147



56, 19.906, 268.147



56, 19.906, 38.147



56, 19.906, 88.147

Sweetspot

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



56, 19.906, 218.145



78, 8.569, 216.525



58, 42.407, 145.682



41, 5.929, 216.573



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



56, 19.906, 218.145



70, 27.990, 219.160



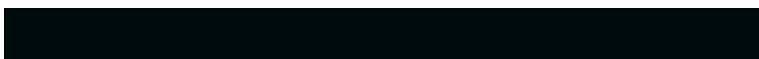
46, 28.370, 278.823



31, 2.802, 216.443



45, 27.908, 228.493



2, 3.074, 217.746

Inverse Universe

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



46, 42.242, 332.354



56, 61.250, 333.005



56, 28.553, 85.319



30, 5.276, 330.067



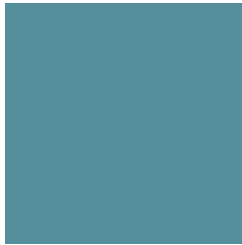
31, 64.989, 336.250



1, 5.614, 330.001

Previews

White Background



This preview shows how the CIELCh color 56, 19.906, 218.147 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, 19.906, 218.147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

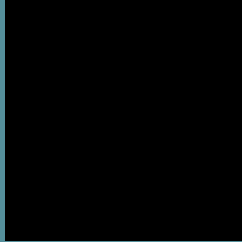
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 19.906, 218.147

Background



This preview shows how black text looks on a background with the CIELCh color 56, 19.906, 218.147.

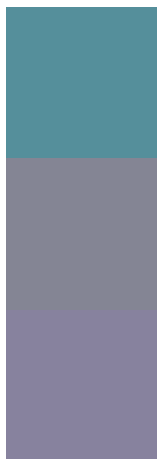


This preview shows how white text looks on a background with the CIELCh color 56, 19.906, 218.147.

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, 19.906, 218.147

Protanopia

56, 8.599, 288.702

Deuteranopia

56, 16.219, 298.533



Tritanopia
56, 19.906, 218.147

Trichromacy



Original Color
56, 19.906, 218.147

Protanomaly
56, 11.080, 245.480

Deuteranomaly
56, 13.935, 264.443

Tritanomaly
56, 19.906, 218.147

Monochromacy



Original Color
56, 19.906, 218.147

Achromatopsia
53, 0.007, 296.813

Achromatomaly
54, 8.126, 215.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 19.906, 218.147 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(85, 143, 155)` looks like.

```
.text, #text, p{  
    color:rgb(85, 143, 155)  
}
```

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(85, 143, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 143, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 19.906, 218.147 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(85, 143, 155) }
```

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

```
.border{ border-color:rgb(85, 143, 155) }
```

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

Here you see how a box with a 4 pixel rgb(85, 143, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 143, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 143, 155);  
box-shadow:4px 4px 4px 4px rgb(85, 143,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 19.906, 218.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 143, 155) }
```

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

```
.background{ background-color: rgb(85, 143,  
155) }
```

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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