

Converting Colors

CIELCh(56, 14.998, 214.316)

Have a look what the booklet for
CIELCh(56, 14.998, 214.316)
contains.

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Color

CIELCh(56, 15.083, 213.620)

Conversions

Conversions Part 1

Format	Color
Hex	638D94
RGB	99, 141, 148
RGB Percent	39%, 55%, 58%
CMY	0.6110, 0.4463, 0.4189
CMYK	0.33, 0.05, 0.00, 0.42
HSL	189°, 20%, 49%
HSV	189°, 33%, 58%
XYZ	20.0787, 23.9124, 31.6527
YIQ	129.2400, -27.2790, -6.7270

Conversions

Conversions Part 2

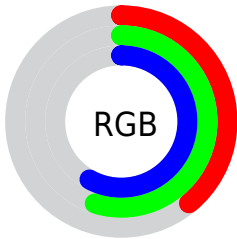
Format	Color
R_{YB}	99, 122, 148
Decimal	6524308
CIE _{Lab}	56.00, -12.56, -8.35
CIE _{LCh}	56, 15.083, 213.620
Yxy	23.9124, 0.2654, 0.3161
Android (android.graphics.Color)	4284714388 (0xFF638D94)
YUV	129.2400, 9.2487, -26.5205
Hunter-Lab	48.9003, -12.2826, -4.1476

Details

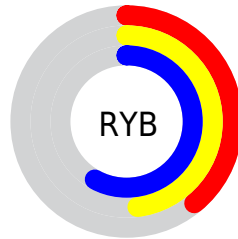
The CIELCh color **56, 15.083, 213.620** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **49, 19.004, 33.801**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 15.288, 212.714**, and **36, 15.132, 211.986** is the 20% darker color. If you saturate the color by 10%, you get **55, 18.811, 214.100**, and if you desaturate by 10%, it is **58, 10.910, 213.319**.

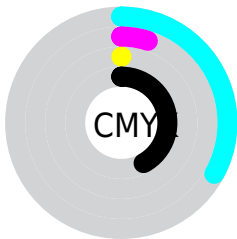
Distribution



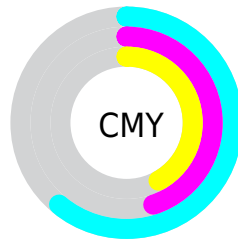
- Red (39%)
- Green (55%)
- Blue (58%)



- Red (39%)
- Yellow (48%)
- Blue (58%)



- Cyan (33%)
- Magenta (5%)
- Yellow (0%)
- Black (42%)





- Cyan (61%)
- Magenta (45%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 15.083, 213.620 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, 15.083, 213.620 by changing the saturation by 10% instead.


 56, 15.083,
213.620


 56, 15.083,
213.620


 100, 15.083,
213.620


 46, 15.083,
213.620


 76, 15.083,
213.620

 36, 15.083,
213.620

 86, 15.083,
213.620

 26, 15.083,
213.620

 96, 15.083,
213.620

 16, 15.083,
213.620

 6, 15.083, 213.620

 0, 15.083, 213.620

■ 56, 15.083,
213.620

■ 56, 15.083,
213.620

■ 55, 18.811,
214.100

■ 58, 10.910,
213.319

■ 53, 22.019,
214.811

■ 59, 6.370, 213.184

■ 61, 1.533, 213.355

■ 52, 24.645,
215.798

■ 63, 3.533, 32.981

■ 51, 26.646,
217.114

■ 65, 8.772, 33.165

■ 50, 28.014,
218.817

■ 66, 14.137, 33.347

■ 68, 19.588, 33.556

■ 49, 28.788,
220.961

■ 71, 25.093, 33.790

■ 49, 29.145,
222.595

■ 73, 30.627, 34.042

Harmonies

Complementary

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



56, 15.083, 213.620



49, 19.004, 33.801

Rectangle

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



56, 15.083, 213.620



56, 15.083, 263.620



56, 15.083, 33.620



56, 15.083, 83.620

Sweetspot

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



56, 15.083, 213.616



76, 6.113, 213.178



57, 30.936, 145.899



40, 4.145, 213.179



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



56, 15.083, 213.616



70, 21.970, 213.974



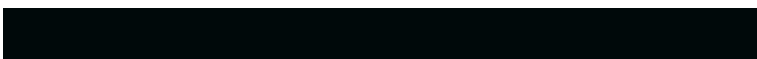
49, 19.024, 273.520



30, 2.777, 213.181



45, 27.635, 222.399



2, 2.487, 213.087

Inverse Universe

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



49, 30.782, 330.563



59, 46.043, 331.038



55, 19.430, 84.158



29, 5.233, 329.115



31, 65.530, 334.692



1, 4.550, 328.608

Previews

White Background



This preview shows how the CIELCh color 56, 15.083, 213.620 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, 15.083, 213.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

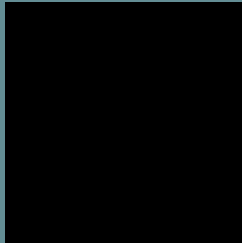
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 15.083, 213.620

Background



This preview shows how black text looks on a background with the CIELCh color 56, 15.083, 213.620.



This preview shows how white text looks on a background with the CIELCh color 56, 15.083, 213.620.

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, 15.083, 213.620

Protanopia

56, 5.734, 290.870

Deuteranopia

56, 12.022, 307.922



Tritanopia
56, 15.289, 222.697

Trichromacy



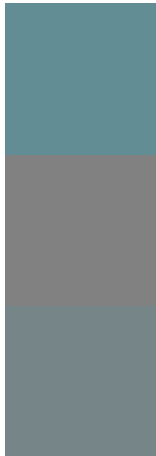
Original Color
56, 15.083, 213.620

Protanomaly
56, 7.490, 242.686

Deuteranomaly
56, 9.140, 269.861

Tritanomaly
56, 15.133, 220.570

Monochromacy



Original Color
56, 15.083, 213.620

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 5.916, 215.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 15.083, 213.620 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(99, 141, 148)` looks like.

```
.text, #text, p{  
    color:rgb(99, 141, 148)  
}
```

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(99, 141, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 141, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 15.083, 213.620 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(99, 141, 148) }
```

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

```
.border{ border-color:rgb(99, 141, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 141, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 141, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 141, 148);  
box-shadow:4px 4px 4px 4px rgb(99, 141,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 15.083, 213.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 141, 148) }
```

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

```
.background{ background-color: rgb(99, 141,  
148) }
```

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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