

Converting Colors

CIELCh(56, 15.309, 197.653)

Have a look what the booklet for
CIELCh(56, 15.309, 197.653)
contains.

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Color

CIELCh(56, 15.356, 197.953)

Conversions

Conversions Part 1

Format	Color
Hex	638E8E
RGB	99, 142, 142
RGB Percent	39%, 56%, 56%
CMY	0.6121, 0.4435, 0.4435
CMYK	0.30, 0.00, 0.00, 0.44
HSL	180°, 18%, 47%
HSV	180°, 30%, 56%
XYZ	19.6672, 23.9124, 29.1298
YIQ	129.1430, -25.6280, -9.1160

Conversions

Conversions Part 2

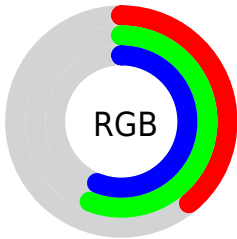
Format	Color
R _Y B	99, 121, 142
Decimal	6524558
CIE Lab	56.00, -14.61, -4.73
CIE LCh	56, 15.356, 197.953
Yxy	23.9124, 0.2705, 0.3289
Android (android.graphics.Color)	4284714638 (0xFF638E8E)
YUV	129.1430, 6.3385, -26.4354
Hunter-Lab	48.9003, -13.7846, -1.0887

Details

The CIELCh color `56, 15.356, 197.953` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `46, 18.765, 21.834`, and the grayscale version is `54, 0.007, 296.813`.

A 20% lighter version of the original color is `76, 15.507, 198.257`, and `36, 15.608, 197.396` is the 20% darker color. If you saturate the color by 10%, you get `55, 19.601, 197.547`, and if you desaturate by 10%, it is `57, 10.646, 198.408`.

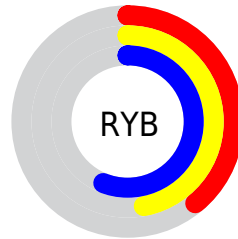
Distribution



Red (39%)

Green (56%)

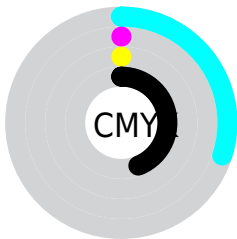
Blue (56%)



Red (39%)

Yellow (47%)

Blue (56%)

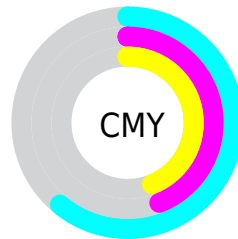


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (44%)



Cyan (61%)


Magenta (44%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 15.356, 197.953 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, 15.356, 197.953 by changing the saturation by 10% instead.


 56, 15.356,
197.953


 56, 15.356,
197.953


 100, 15.356,
197.953


 46, 15.356,
197.953


 76, 15.356,
197.953

 36, 15.356,
197.953

 86, 15.356,
197.953

 26, 15.356,
197.953

 96, 15.356,
197.953

 16, 15.356,
197.953

 6, 15.356, 197.953

 0, 15.356, 197.953

■ 56, 15.356,
197.953

■ 56, 15.356,
197.953

■ 55, 19.601,
197.547

■ 57, 10.646,
198.408

■ 55, 23.302,
197.203

■ 58, 5.555, 198.936

■ 54, 26.393,
196.920

■ 59, 0.165, 201.975

■ 54, 28.828,
196.699

■ 60, 5.448, 19.864

■ 54, 30.596,
196.541

■ 61, 11.219, 20.484

■ 53, 31.721,
196.441

■ 63, 17.091, 21.092

■ 53, 32.395,
196.381

■ 64, 23.019, 21.702

■ 66, 28.965, 22.315

■ 68, 34.903, 22.925

Harmonies

Complementary

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



56, 15.356, 197.953



46, 18.765, 21.834

Rectangle

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



56, 15.356, 197.953



56, 15.356, 247.953



56, 15.356, 17.953



56, 15.356, 67.953

Sweetspot

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



56, 15.356, 197.949



73, 6.006, 199.002



55, 29.877, 142.006



38, 4.145, 198.925



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



56, 15.356, 197.949



70, 21.942, 197.683



50, 14.233, 258.133



30, 3.069, 199.002



51, 31.268, 196.381



2, 2.121, 199.419

Inverse Universe

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



46, 18.765, 21.834



56, 28.142, 22.652



52, 15.568, 70.016



28, 3.246, 19.885



27, 64.130, 38.797



0, 2.121, 19.402

Previews

White Background



This preview shows how the CIELCh color 56, 15.356, 197.953 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, 15.356, 197.953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

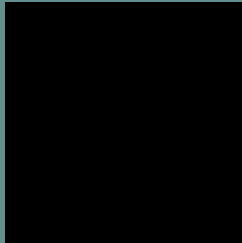
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

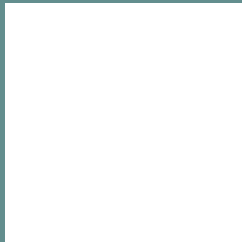
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 15.356, 197.953

Background



This preview shows how black text looks on a background with the CIELCh color 56, 15.356, 197.953.



This preview shows how white text looks on a background with the CIELCh color 56, 15.356, 197.953.

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, 15.356, 197.953

Protanopia

56, 2.436, 309.154

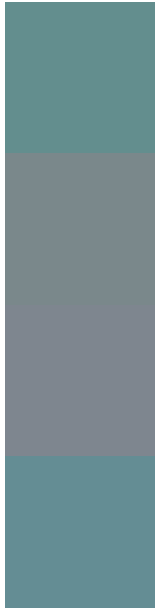
Deuteranopia

56, 9.316, 320.910



Tritanopia
56, 14.926, 225.894

Trichromacy



Original Color
56, 15.356, 197.953

Protanomaly
56, 5.546, 217.082

Deuteranomaly
56, 5.920, 260.135

Tritanomaly
56, 14.785, 213.967

Monochromacy



Original Color
56, 15.356, 197.953

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 6.120, 198.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 15.356, 197.953 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, 142, 142)` looks like.

```
.text, #text, p{  
    color:rgb(99, 142, 142)  
}
```

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, 142, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 142, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 15.356, 197.953 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, 142, 142) }
```

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

```
.border{ border-color:rgb(99, 142, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 142, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 142, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 142, 142);  
box-shadow:4px 4px 4px 4px rgb(99, 142,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 15.356, 197.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 142, 142) }
```

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

```
.background{ background-color: rgb(99, 142,  
142) }
```

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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