

Converting Colors

CIELCh(55, 11.790, 198.263)

Have a look what the booklet for
CIELCh(55, 11.790, 198.263)
contains.

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Color

CIELCh(55, 11.780, 198.276)

Conversions

Conversions Part 1

Format	Color
Hex	6A8A8A
RGB	106, 138, 138
RGB Percent	42%, 54%, 54%
CMY	0.5858, 0.4603, 0.4603
CMYK	0.23, 0.00, 0.00, 0.46
HSL	180°, 13%, 48%
HSV	180°, 23%, 54%
XYZ	19.4906, 22.9298, 27.2959
YIQ	128.4320, -19.0720, -6.7840

Conversions

Conversions Part 2

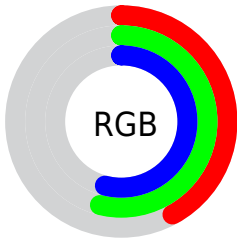
Format	Color
R_{YB}	106, 122, 138
Decimal	6982282
CIE _{Lab}	55.00, -11.19, -3.69
CIE _{LCh}	55, 11.780, 198.276
Yxy	22.9298, 0.2796, 0.3289
Android (android.graphics.Color)	4285172362 (0xFF6A8A8A)
YUV	128.4320, 4.7170, -19.6729
Hunter-Lab	47.8851, -11.1442, -0.2774

Details

The CIELCh color **55, 11.780, 198.276** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **48, 13.676, 21.073**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 11.637, 198.542**, and **35, 11.909, 197.822** is the 20% darker color. If you saturate the color by 10%, you get **54, 16.252, 197.829**, and if you desaturate by 10%, it is **56, 6.915, 198.773**.

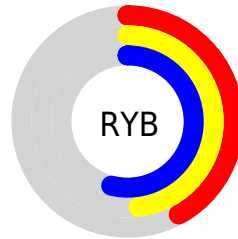
Distribution



Red (42%)

Green (54%)

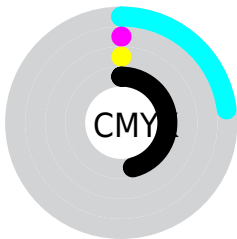
Blue (54%)



Red (42%)

Yellow (48%)

Blue (54%)

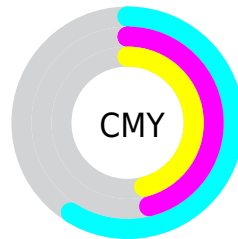


Cyan (23%)

Magenta (0%)

Yellow (0%)

Black (46%)



Cyan (59%)


Magenta (46%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 11.780, 198.276 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 55, 11.780, 198.276 by changing the saturation by 10% instead.


 55, 11.780,
198.276


 55, 11.780,
198.276


 100, 11.780,
198.276


 45, 11.780,
198.276


 75, 11.780,
198.276

 35, 11.780,
198.276

 85, 11.780,
198.276

 25, 11.780,
198.276

 95, 11.780,
198.276

 15, 11.780,
198.276

 5, 11.780, 198.276

 0, 11.780, 198.276

■ 55, 11.780,
198.276

■ 55, 11.780,
198.276

■ 54, 16.252,
197.829

■ 56, 6.915, 198.773

■ 54, 20.249,
197.444

■ 57, 1.736, 199.470

■ 58, 3.682, 19.662

■ 53, 23.696,
197.118

■ 59, 9.270, 20.302

■ 52, 26.535,
196.853

■ 61, 14.972, 20.908

■ 62, 20.740, 21.516

■ 52, 28.731,
196.651

■ 64, 26.537, 22.127

■ 52, 30.280,
196.509

■ 65, 32.333, 22.737

■ 67, 38.105, 23.342

■ 52, 31.217,
196.424

■ 52, 31.680,

Harmonies

Complementary

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



55, 11.780, 198.276



48, 13.676, 21.073

Rectangle

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



55, 11.780, 198.276



55, 11.780, 248.276



55, 11.780, 18.276



55, 11.780, 68.276

Sweetspot

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



55, 11.780, 198.271



72, 4.587, 199.133



54, 22.369, 142.563



37, 2.966, 199.103



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



55, 11.780, 198.271



69, 17.225, 198.027



50, 10.711, 256.859



29, 2.978, 199.006



50, 30.840, 196.382



1, 1.414, 199.419

Inverse Universe

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



48, 13.676, 21.073



59, 20.777, 21.631



52, 11.446, 70.855



27, 3.148, 19.882



27, 63.128, 38.657



0, 1.414, 19.402

Previews

White Background



This preview shows how the CIELCh color 55, 11.780, 198.276 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 55, 11.780, 198.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

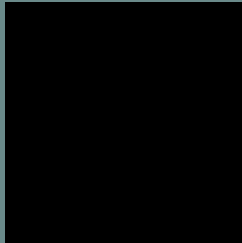
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

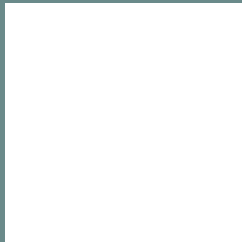
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 11.780, 198.276

Background



This preview shows how black text looks on a background with the CIELCh color 55, 11.780, 198.276.



This preview shows how white text looks on a background with the CIELCh color 55, 11.780, 198.276.

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


55, 11.780, 198.276

Protanopia

55, 1.406, 324.386

Deuteranopia

55, 9.076, 324.912



Tritanopia
55, 11.678, 231.549

Trichromacy



Original Color
55, 11.780, 198.276

Protanomaly
55, 3.994, 215.891

Deuteranomaly
55, 4.823, 272.244

Tritanomaly
55, 11.441, 219.140

Monochromacy



Original Color
55, 11.780, 198.276

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 4.262, 199.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 11.780, 198.276 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(106, 138, 138)` looks like.

```
.text, #text, p{  
    color:rgb(106, 138, 138)  
}
```

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(106, 138, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 138, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 11.780, 198.276 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(106, 138, 138) }
```

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

```
.border{ border-color:rgb(106, 138, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 138, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 138, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 138, 138);  
box-shadow:4px 4px 4px 4px rgb(106, 138,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 11.780, 198.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 138, 138) }
```

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

```
.background{ background-color: rgb(106,  
138, 138) }
```

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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