

Converting Colors

CIELCh(55, 6.720, 198.792)

Have a look what the booklet for
CIELCh(55, 6.720, 198.792) contains.

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Color

CIELCh(55, 6.850, 198.773)

Conversions

Conversions Part 1

Format	Color
Hex	758787
RGB	117, 135, 135
RGB Percent	46%, 53%, 53%
CMY	0.5404, 0.4698, 0.4698
CMYK	0.13, 0.00, 0.00, 0.47
HSL	180°, 7%, 49%
HSV	180°, 13%, 53%
XYZ	20.4377, 22.9298, 26.3400
YIQ	129.6180, -10.7280, -3.8160

Conversions

Conversions Part 2

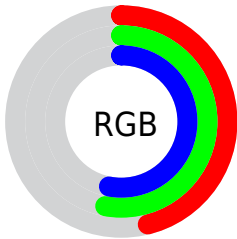
Format	Color
R_{YB}	117, 126, 135
Decimal	7702407
CIE _{Lab}	55.00, -6.49, -2.20
CIE _{LCh}	55, 6.850, 198.773
Yxy	22.9298, 0.2932, 0.3289
Android (android.graphics.Color)	4285892487 (0xFF758787)
YUV	129.6180, 2.6533, -11.0660
Hunter-Lab	47.8851, -7.6140, 0.9062

Details

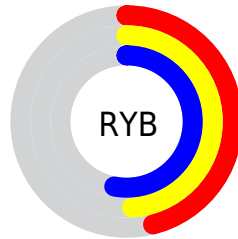
The CIELCh color **55, 6.850, 198.773** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **51, 7.436, 20.196**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 6.856, 198.937**, and **35, 6.910, 198.483** is the 20% darker color. If you saturate the color by 10%, you get **54, 11.645, 198.262**, and if you desaturate by 10%, it is **56, 1.748, 199.454**.

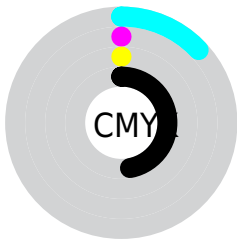
Distribution



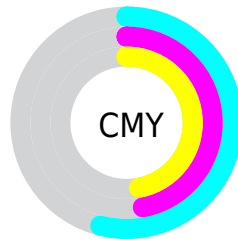
- Red (46%)
- Green (53%)
- Blue (53%)



- Red (46%)
- Yellow (49%)
- Blue (53%)



- Cyan (13%)
- Magenta (0%)
- Yellow (0%)
- Black (47%)



- Cyan (54%)
- Magenta (47%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 6.850, 198.773 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, 6.850, 198.773 by changing the saturation by 10% instead.

■ 55, 6.850, 198.773

■ 55, 6.850, 198.773

■ 100, 6.850,
198.773

■ 45, 6.850, 198.773

■ 75, 6.850, 198.773

■ 35, 6.850, 198.773

■ 85, 6.850, 198.773

■ 25, 6.850, 198.773

■ 95, 6.850, 198.773

■ 15, 6.850, 198.773

■ 5, 6.850, 198.773

■ 0, 6.850, 198.773

■ 55, 6.850, 198.773

■ 55, 6.850, 198.773

■ 54, 11.645,
198.262

■ 56, 1.748, 199.454

■ 57, 3.590, 19.649

■ 53, 16.051,
197.821

■ 58, 9.096, 20.289

■ 53, 19.990,
197.436

■ 60, 14.715, 20.895

■ 61, 20.399, 21.502

■ 52, 23.388,
197.109

■ 63, 26.112, 22.112

■ 52, 26.188,
196.844

■ 64, 31.824, 22.720

■ 66, 37.514, 23.325

■ 51, 28.355,
196.641

■ 68, 43.164, 23.923

■ 51, 29.885,
196.499

■ 51, 30.815,
196.412

■ 51, 31.277,
196.369

Harmonies

Complementary

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



55, 6.850, 198.773



51, 7.436, 20.196

Rectangle

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



55, 6.850, 198.773



55, 6.850, 248.773



55, 6.850, 18.773



55, 6.850, 68.773

Sweetspot

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



55, 6.851, 198.763



71, 2.608, 199.369



55, 12.593, 143.253



38, 1.866, 199.306



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, 6.851, 198.763



70, 10.121, 198.603



53, 6.090, 255.336



29, 2.978, 198.999



50, 30.842, 196.369



1, 1.414, 199.412

Inverse Universe

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



51, 7.436, 20.196



64, 11.208, 20.442



53, 6.309, 72.007



27, 3.148, 19.875



27, 63.125, 38.654



0, 1.414, 19.395

Previews

White Background



This preview shows how the CIE LCh color 55, 6.850, 198.773 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, 6.850, 198.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

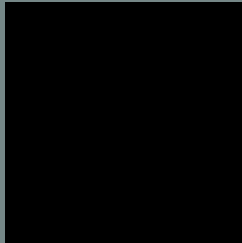
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

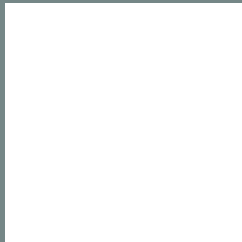
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 6.850, 198.773

Background



This preview shows how black text looks on a background with the CIELCh color 55, 6.850, 198.773.



This preview shows how white text looks on a background with the CIELCh color 55, 6.850, 198.773.

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

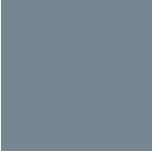
55, 6.850, 198.773

Protanopia

55, 1.406, 324.386

Deuteranopia

55, 8.274, 336.357



Tritanopia
55, 7.887, 245.960

Trichromacy



Original Color

55, 6.850, 198.773

Protanomaly

55, 2.393, 213.242

Deuteranomaly

55, 3.663, 309.230

Tritanomaly

55, 7.121, 233.470

Monochromacy



Original Color

55, 6.850, 198.773

Achromatopsia

54, 0.007, 296.813

Achromatomaly

55, 2.728, 199.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 6.850, 198.773 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(117, 135, 135)` looks like.

```
.text, #text, p{  
    color:rgb(117, 135, 135)  
}
```

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(117, 135, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 135, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 6.850, 198.773 is called "border". The border property can be set on classes, ids or directly on the HTML element.

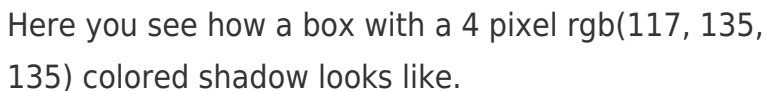
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 135, 135) }
```

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

```
.border{ border-color:rgb(117, 135, 135) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 135, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 135, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 135, 135); box-shadow:4px 4px 4px 4px rgb(117, 135, 135) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 6.850, 198.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 135, 135) }
```

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

```
.background{ background-color: rgb(117,  
135, 135) }
```

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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