

Converting Colors

CIELCh(55, 15.694, 144.385)

Have a look what the booklet for
CIELCh(55, 15.694, 144.385)
contains.

CIELCh(55, 16.138, 143.449)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 16.138, 143.449)

Conversions

Conversions Part 1

Format	Color
Hex	738A73
RGB	115, 138, 115
RGB Percent	45%, 54%, 45%
CMY	0.5503, 0.4602, 0.5503
CMYK	0.17, 0.00, 0.17, 0.46
HSL	120°, 9%, 49%
HSV	120°, 17%, 54%
XYZ	19.1401, 22.9298, 19.5358
YIQ	128.5010, -6.3250, -12.0290

Conversions

Conversions Part 2

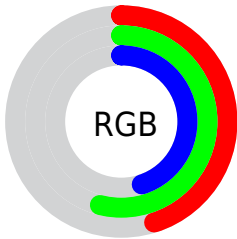
Format	Color
R_{YB}	115, 138, 138
Decimal	7572083
CIE _{Lab}	55.00, -12.96, 9.61
CIE _{LCh}	55, 16.138, 143.449
Yxy	22.9298, 0.3107, 0.3722
Android (android.graphics.Color)	4285762163 (0xFF738A73)
YUV	128.5010, -6.6560, -11.8404
Hunter-Lab	47.8851, -12.4509, 9.3309

Details

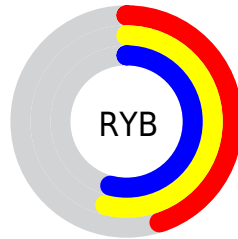
The CIELCh color $55, 16.138, 143.449$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $51, 16.154, 325.317$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 15.835, 143.704$, and $35, 15.981, 143.014$ is the 20% darker color. If you saturate the color by 10%, you get $54, 25.838, 142.703$, and if you desaturate by 10%, it is $56, 6.439, 144.103$.

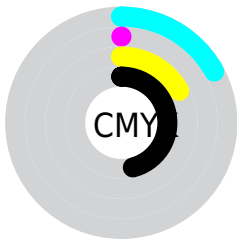
Distribution



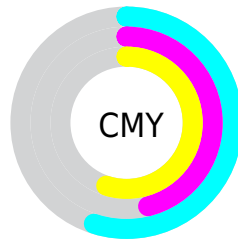
- Red (45%)
- Green (54%)
- Blue (45%)



- Red (45%)
- Yellow (54%)
- Blue (54%)



- Cyan (17%)
- Magenta (0%)
- Yellow (17%)
- Black (46%)





- Cyan (55%)
- Magenta (46%)
- Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 16.138, 143.449 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, 16.138, 143.449 by changing the saturation by 10% instead.


 55, 16.138,
143.449


 55, 16.138,
143.449


 100, 16.138,
143.449


 45, 16.138,
143.449


 75, 16.138,
143.449

 35, 16.138,
143.449

 85, 16.138,
143.449

 25, 16.138,
143.449

 95, 16.138,
143.449

 15, 16.138,
143.449

 5, 16.138, 143.449

 0, 16.138, 143.449

■ 55, 16.138,
143.449

■ 55, 16.138,
143.449

■ 54, 25.838,
142.703

■ 56, 6.439, 144.103

■ 53, 35.379,
141.845

■ 58, 3.150, 324.550

■ 52, 44.559,
140.874

■ 59, 12.546,
325.056

■ 51, 53.124,
139.811

■ 61, 21.698,
325.452

■ 51, 60.763,
138.708

■ 63, 30.575,
325.786

■ 50, 67.121,
137.659

■ 65, 39.163,
326.070


■ 50, 71.837,
136.793


■ 67, 47.458,
326.313

■ 50, 74.831,

■ 69, 55.467,
326.522

136.202

 71, 63.199,
326.702

 50, 75.732,
136.017

Harmonies

Complementary

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



55, 16.138, 143.449



51, 16.154, 325.317

Rectangle

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



55, 16.138, 143.449



55, 16.138, 193.449



55, 16.138, 323.449



55, 16.138, 13.449

Sweetspot

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



55, 16.139, 143.449



72, 5.929, 144.204



57, 13.031, 108.617



37, 4.032, 144.165



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, 16.139, 143.449



69, 23.917, 143.184



55, 11.204, 162.281



28, 5.432, 143.948



48, 73.705, 136.017



1, 2.511, 144.446

Inverse Universe

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



51, 16.154, 325.317



64, 23.934, 325.516



51, 11.435, 345.021



27, 5.440, 324.907



31, 71.111, 328.236



0, 2.511, 324.441

Previews

White Background



This preview shows how the CIE LCh color 55, 16.138, 143.449 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 55, 16.138, 143.449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

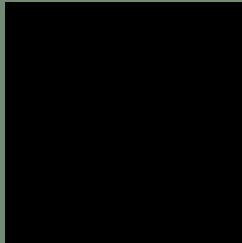
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

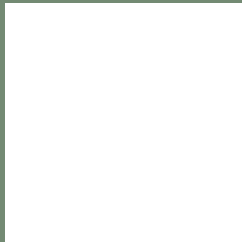
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 16.138, 143.449

Background



This preview shows how black text looks on a background with the CIELCh color 55, 16.138, 143.449.



This preview shows how white text looks on a background with the CIELCh color 55, 16.138, 143.449.

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

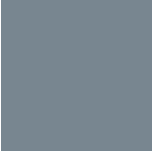
55, 16.138, 143.449

Protanopia

55, 11.804, 94.314

Deuteranopia

55, 10.904, 51.662



Tritanopia
55, 7.646, 247.941

Trichromacy



Original Color
55, 16.138, 143.449

Protanomaly
55, 12.057, 114.635

Deuteranomaly
55, 8.928, 92.924

Tritanomaly
55, 6.647, 188.807

Monochromacy



Original Color
55, 16.138, 143.449

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 6.329, 144.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 16.138, 143.449 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(115, 138, 115)` looks like.

```
.text, #text, p{  
    color:rgb(115, 138, 115)  
}
```

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(115, 138, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 138, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 16.138, 143.449 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(115, 138, 115) }
```

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

```
.border{ border-color:rgb(115, 138, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 138, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 138, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 138, 115);  
box-shadow:4px 4px 4px 4px rgb(115, 138,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 16.138, 143.449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 138, 115) }
```

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

```
.background{ background-color: rgb(115,  
138, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor