

Converting Colors

CIELCh(55, 12.564, 158.627)

Have a look what the booklet for
CIELCh(55, 12.564, 158.627)
contains.

CIELCh(55, 12.460, 158.064)	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, 12.460, 158.064)

Conversions

Conversions Part 1

Format	Color
Hex	71897B
RGB	113, 137, 123
RGB Percent	44%, 54%, 48%
CMY	0.5559, 0.4617, 0.5166
CMYK	0.17, 0.00, 0.10, 0.46
HSL	145°, 10%, 49%
HSV	145°, 17%, 54%
XYZ	19.4169, 22.9298, 22.2256
YIQ	128.2280, -9.8100, -9.4420

Conversions

Conversions Part 2

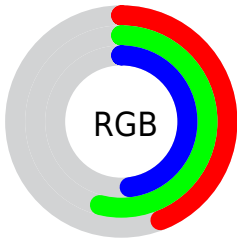
Format	Color
RYB	113, 130, 137
Decimal	7440763
CIELab	55.00, -11.56, 4.65
CIElCh	55, 12.460, 158.064
Yxy	22.9298, 0.3007, 0.3551
Android (android.graphics.Color)	4285630843 (0xFF71897B)
YUV	128.2280, -2.5774, -13.3550
Hunter-Lab	47.8851, -11.4190, 6.0005

Details

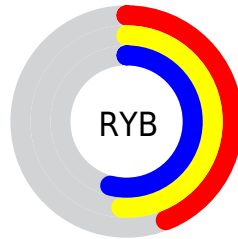
The CIELCh color $55, 12.460, 158.064$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $50, 12.638, 340.735$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 12.370, 157.637$, and $35, 12.441, 157.124$ is the 20% darker color. If you saturate the color by 10%, you get $54, 19.548, 157.134$, and if you desaturate by 10%, it is $56, 5.325, 158.912$.

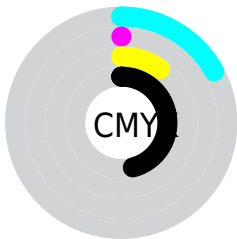
Distribution



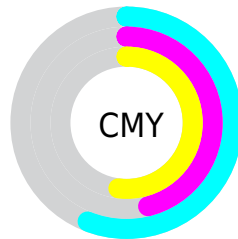
- Red (44%)
- Green (54%)
- Blue (48%)



- Red (44%)
- Yellow (51%)
- Blue (54%)



- Cyan (17%)
- Magenta (0%)
- Yellow (10%)
- Black (46%)





- Cyan (56%)
- Magenta (46%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 12.460, 158.064 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, 12.460, 158.064 by changing the saturation by 10% instead.


 55, 12.460,
158.064


 55, 12.460,
158.064


 100, 12.460,
158.064


 45, 12.460,
158.064


 75, 12.460,
158.064

 35, 12.460,
158.064

 85, 12.460,
158.064

 25, 12.460,
158.064

 95, 12.460,
158.064

 15, 12.460,
158.064

 5, 12.460, 158.064

 0, 12.460, 158.064

■ 55, 12.460,
158.064

■ 55, 12.460,
158.064

■ 54, 19.548,
157.134

■ 56, 5.325, 158.912

■ 53, 26.489,
156.089

■ 58, 1.782, 339.431

■ 59, 8.800, 340.221

■ 52, 33.175,
154.905

■ 61, 15.684,
340.836

■ 51, 39.487,
153.558

■ 62, 22.402,
341.392

■ 51, 45.314,
152.031

■ 64, 28.937,
341.902

■ 50, 50.559,
150.311

■ 66, 35.278,
342.373

■ 50, 55.164,
148.401

■ 67, 41.420,
342.812

■ 50, 59.177,

146.384

■ 69, 47.367,
343.222

■ 50, 60.147,
145.914

Harmonies

Complementary

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



55, 12.460, 158.064



50, 12.638, 340.735

Rectangle

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



55, 12.460, 158.064



55, 12.460, 208.064



55, 12.460, 338.064



55, 12.460, 28.064

Sweetspot

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



55, 12.461, 158.062



72, 4.399, 159.119



56, 14.228, 124.663



37, 2.990, 159.064



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, 12.461, 158.062



70, 18.535, 157.706



55, 9.210, 189.886



28, 4.024, 158.772



48, 58.558, 145.994



1, 1.867, 159.421

Inverse Universe

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



50, 12.638, 340.735



63, 18.852, 341.072



50, 10.065, 12.631



27, 4.059, 340.052



28, 53.653, 353.357



0, 1.867, 339.412

Previews

White Background



This preview shows how the CIELCh color 55, 12.460, 158.064 looks on a white background.

Color Contrast Check

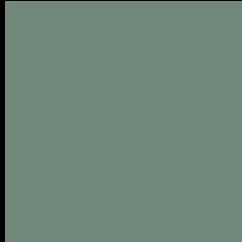
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.460, 158.064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

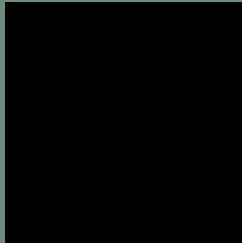
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

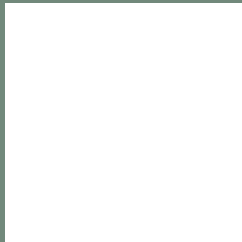
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 12.460, 158.064

Background



This preview shows how black text looks on a background with the CIELCh color 55, 12.460, 158.064.



This preview shows how white text looks on a background with the CIELCh color 55, 12.460, 158.064.

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

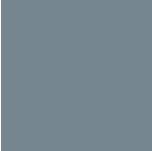
55, 12.460, 158.064

Protanopia

55, 6.611, 91.331

Deuteranopia

55, 7.861, 28.510



Tritanopia
55, 8.766, 245.324

Trichromacy



Original Color
55, 12.460, 158.064

Protanomaly
55, 7.174, 125.698

Deuteranomaly
55, 4.177, 92.787

Tritanomaly
55, 7.233, 207.934

Monochromacy



Original Color
55, 12.460, 158.064

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 4.305, 157.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 12.460, 158.064 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(113, 137, 123)` looks like.

```
.text, #text, p{  
    color:rgb(113, 137, 123)  
}
```

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(113, 137, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 137, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 12.460, 158.064 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(113, 137, 123) }
```

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

```
.border{ border-color:rgb(113, 137, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 137, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 137, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 137, 123);  
box-shadow:4px 4px 4px 4px rgb(113, 137,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 12.460, 158.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 137, 123) }
```

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

```
.background{ background-color: rgb(113,  
137, 123) }
```

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