

Converting Colors

CIELCh(55, 21.753, 157.422)

Have a look what the booklet for
CIELCh(55, 21.753, 157.422)
contains.

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Color

CIELCh(55, 21.699, 158.010)

Conversions

Conversions Part 1

Format	Color
Hex	628D75
RGB	98, 141, 117
RGB Percent	38%, 55%, 46%
CMY	0.6157, 0.4471, 0.5412
CMYK	0.30, 0.00, 0.17, 0.45
HSL	147°, 18%, 47%
HSV	147°, 30%, 55%
XYZ	17.7720, 22.9298, 20.3180
YIQ	125.4070, -17.9240, -16.5800

Conversions

Conversions Part 2

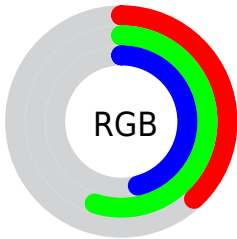
Format	Color
R_{YB}	98, 128, 141
Decimal	6458741
CIE _{Lab}	55.00, -20.12, 8.13
CIE _{LCh}	55, 21.699, 158.010
Yxy	22.9298, 0.2912, 0.3758
Android (android.graphics.Color)	4284648821 (0xFF628D75)
YUV	125.4070, -4.1447, -24.0359
Hunter-Lab	47.8851, -17.5509, 8.3625

Details

The CIELCh color $55, 21.699, 158.010$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $47, 22.287, 343.202$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 21.784, 157.758$, and $35, 21.990, 158.158$ is the 20% darker color. If you saturate the color by 10%, you get $54, 28.571, 156.909$, and if you desaturate by 10%, it is $56, 14.641, 158.987$.

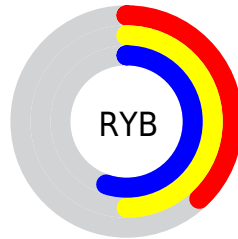
Distribution



Red (38%)

Green (55%)

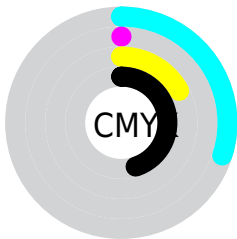
Blue (46%)



Red (38%)

Yellow (50%)

Blue (55%)

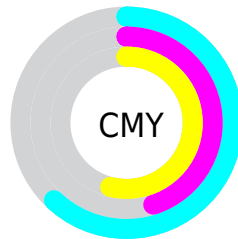


Cyan (30%)

Magenta (0%)

Yellow (17%)

Black (45%)



Cyan (62%)


Magenta (45%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 21.699, 158.010 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, 21.699, 158.010 by changing the saturation by 10% instead.


 55, 21.699,
158.010


 55, 21.699,
158.010


 100, 21.699,
158.010


 45, 21.699,
158.010


 75, 21.699,
158.010

 35, 21.699,
158.010

 85, 21.699,
158.010

 25, 21.699,
158.010

 95, 21.699,
158.010

 15, 21.699,
158.010

 5, 21.699, 158.010

 0, 21.699, 158.010

■ 55, 21.699,
158.010

■ 55, 21.699,
158.010

■ 54, 28.571,
156.909

■ 56, 14.641,
158.987

■ 53, 35.140,
155.663

■ 57, 7.496, 159.871

■ 59, 0.349, 161.460

■ 53, 41.291,
154.248

■ 60, 6.732, 341.264

■ 52, 46.916,
152.647

■ 62, 13.695,
341.925

■ 52, 51.933,
150.848

■ 63, 20.506,
342.518

■ 51, 56.302,
148.860

■ 65, 27.142,
343.062

■ 51, 59.997,
146.941

■ 67, 33.587,
343.566

■ 69, 39.837,
344.035

Harmonies

Complementary

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



55, 21.699, 158.010



47, 22.287, 343.202

Rectangle

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



55, 21.699, 158.010



55, 21.699, 208.010



55, 21.699, 338.010



55, 21.699, 28.010

Sweetspot

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



55, 21.700, 158.009



73, 7.968, 159.983



56, 25.462, 125.261



38, 5.519, 159.872



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



55, 21.700, 158.009



69, 32.469, 157.220



56, 15.652, 191.830



30, 4.072, 159.983



49, 58.059, 147.037



2, 2.750, 160.651

Inverse Universe

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



47, 22.287, 343.202



57, 33.514, 343.948



46, 18.663, 16.749



28, 4.111, 341.302



29, 53.853, 355.591



1, 2.750, 340.642

Previews

White Background



This preview shows how the CIE LCh color 55, 21.699, 158.010 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, 21.699, 158.010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

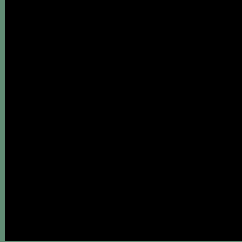
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 21.699, 158.010

Background



This preview shows how black text looks on a background with the CIELCh color 55, 21.699, 158.010.



This preview shows how white text looks on a background with the CIELCh color 55, 21.699, 158.010.

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, 21.699, 158.010

Protanopia
55, 11.250, 93.696

Deuteranopia
55, 9.631, 44.654



Tritanopia
55, 13.074, 227.518

Trichromacy



Original Color
55, 21.699, 158.010

Protanomaly
55, 12.990, 130.880

Deuteranomaly
55, 7.489, 115.512

Tritanomaly
55, 13.198, 195.616

Monochromacy



Original Color
55, 21.699, 158.010

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 8.241, 159.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 21.699, 158.010 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(98, 141, 117)` looks like.

```
.text, #text, p{  
    color:rgb(98, 141, 117)  
}
```

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(98, 141, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 141, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 21.699, 158.010 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(98, 141, 117) }
```

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

```
.border{ border-color:rgb(98, 141, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 141, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 141, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 141, 117);  
box-shadow:4px 4px 4px 4px rgb(98, 141,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 21.699, 158.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 141, 117) }
```

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

```
.background{ background-color: rgb(98, 141,  
117) }
```

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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