

Converting Colors

CIELCh(55, 22.720, 173.884)

Have a look what the booklet for
CIELCh(55, 22.720, 173.884)
contains.

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Color

CIELCh(55, 22.510, 174.625)

Conversions

Conversions Part 1

Format	Color
Hex	558E7F
RGB	85, 142, 127
RGB Percent	33%, 56%, 50%
CMY	0.6654, 0.4418, 0.5007
CMYK	0.40, 0.00, 0.11, 0.44
HSL	164°, 25%, 45%
HSV	164°, 40%, 56%
XYZ	17.3482, 22.9298, 23.6986
YIQ	123.2470, -29.1570, -16.7490

Conversions

Conversions Part 2

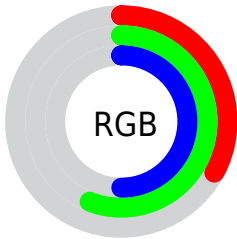
Format	Color
R_{YB}	85, 118, 142
Decimal	5607039
CIE _{Lab}	55.00, -22.41, 2.11
CIE _{LCh}	55, 22.510, 174.625
Yxy	22.9298, 0.2712, 0.3584
Android (android.graphics.Color)	4283797119 (0xFF558E7F)
YUV	123.2470, 1.8502, -33.5426
Hunter-Lab	47.8851, -19.1305, 4.1766

Details

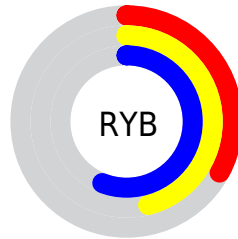
The CIELCh color **55, 22.510, 174.625** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **43, 25.728, 3.290**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 22.532, 175.061**, and **35, 22.245, 174.965** is the 20% darker color. If you saturate the color by 10%, you get **54, 27.355, 173.428**, and if you desaturate by 10%, it is **56, 17.264, 175.722**.

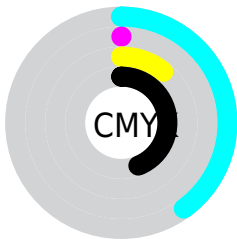
Distribution



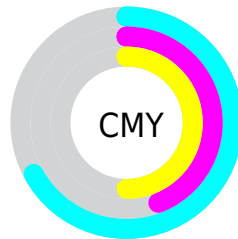
- Red (33%)
- Green (56%)
- Blue (50%)



- Red (33%)
- Yellow (46%)
- Blue (56%)



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (44%)





- Cyan (67%)
- Magenta (44%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 22.510, 174.625 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, 22.510, 174.625 by changing the saturation by 10% instead.


 55, 22.510,
174.625


 55, 22.510,
174.625


 100, 22.510,
174.625


 45, 22.510,
174.625


 75, 22.510,
174.625

 35, 22.510,
174.625

 85, 22.510,
174.625

 25, 22.510,
174.625

 95, 22.510,
174.625

 15, 22.510,
174.625

 5, 22.510, 174.625

 0, 22.510, 174.625

■ 55, 22.510,
174.625

■ 55, 22.510,
174.625

■ 54, 27.355,
173.428

■ 56, 17.264,
175.722

■ 54, 31.707,
172.116

■ 57, 11.709,
176.744

■ 53, 35.493,
170.662

■ 58, 5.937, 177.721

■ 53, 38.671,
169.046

■ 59, 0.029, 191.597

■ 60, 5.946, 359.326

■ 53, 41.237,
167.251

■ 62, 11.931, 0.162

■ 52, 43.375,
165.379

■ 63, 17.882, 0.942

■ 65, 23.765, 1.685

■ 67, 29.558, 2.398

Harmonies

Complementary

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



55, 22.510, 174.625



43, 25.728, 3.290

Rectangle

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



55, 22.510, 174.625



55, 22.510, 224.625



55, 22.510, 354.625



55, 22.510, 44.625

Sweetspot

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



55, 22.511, 174.623



74, 8.803, 177.506



55, 36.445, 134.787



39, 5.878, 177.397



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



55, 22.511, 174.623



70, 32.757, 173.555



51, 16.496, 226.317



30, 3.345, 177.807



50, 41.709, 165.486



2, 2.281, 178.564

Inverse Universe

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



43, 25.728, 3.290



52, 38.624, 4.912



46, 21.641, 42.624



28, 3.444, 359.333



28, 55.207, 22.727



0, 2.282, 358.550

Previews

White Background



This preview shows how the CIELCh color 55, 22.510, 174.625 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, 22.510, 174.625 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, 22.510, 174.625

Background



This preview shows how black text looks on a background with the CIELCh color 55, 22.510, 174.625.

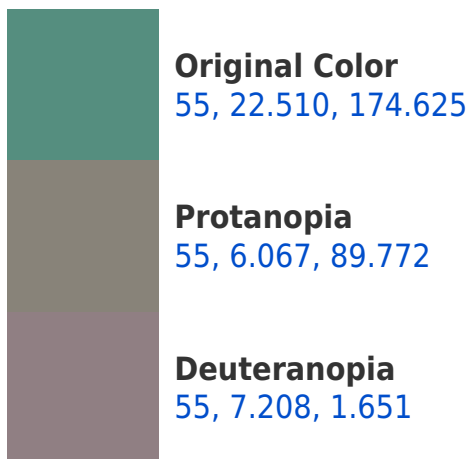


This preview shows how white text looks on a background with the CIELCh color 55, 22.510, 174.625.

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





Tritanopia
55, 17.214, 219.707

Trichromacy



Original Color
55, 22.510, 174.625

Protanomaly
55, 9.691, 153.209

Deuteranomaly
55, 4.296, 175.379

Tritanomaly
55, 17.693, 201.492

Monochromacy



Original Color
55, 22.510, 174.625

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 8.910, 175.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 22.510, 174.625 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(85, 142, 127)` looks like.

```
.text, #text, p{  
    color:rgb(85, 142, 127)  
}
```

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(85, 142, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 142, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 22.510, 174.625 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(85, 142, 127) }
```

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

```
.border{ border-color:rgb(85, 142, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 142, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 142, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 142, 127);  
box-shadow:4px 4px 4px 4px rgb(85, 142,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 22.510, 174.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 142, 127) }
```

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

```
.background{ background-color: rgb(85, 142,  
127) }
```

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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