

Converting Colors

CIELCh(55, 17.042, 170.968)

Have a look what the booklet for
CIELCh(55, 17.042, 170.968)
contains.

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Color

CIELCh(55, 16.940, 171.545)

Conversions

Conversions Part 1

Format	Color
Hex	648C7F
RGB	100, 140, 127
RGB Percent	39%, 55%, 50%
CMY	0.6085, 0.4517, 0.5027
CMYK	0.29, 0.00, 0.09, 0.45
HSL	161°, 17%, 47%
HSV	161°, 29%, 55%
XYZ	18.4068, 22.9298, 23.4735
YIQ	126.5580, -19.6670, -12.5230

Conversions

Conversions Part 2

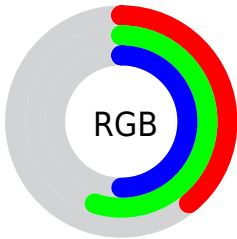
Format	Color
R_{YB}	100, 124, 140
Decimal	6589567
CIE _{Lab}	55.00, -16.76, 2.49
CIE _{LCh}	55, 16.940, 171.545
Yxy	22.9298, 0.2840, 0.3538
Android (android.graphics.Color)	4284779647 (0xFF648C7F)
YUV	126.5580, 0.2179, -23.2914
Hunter-Lab	47.8851, -15.1846, 4.4553

Details

The CIELCh color $55, 16.940, 171.545$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $47, 18.247, 357.219$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 16.984, 171.653$, and $35, 17.230, 171.298$ is the 20% darker color. If you saturate the color by 10%, you get $54, 22.474, 170.423$, and if you desaturate by 10%, it is $56, 11.152, 172.576$.

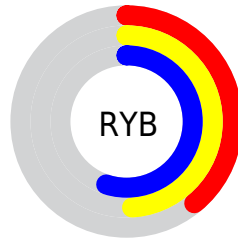
Distribution



Red (39%)

Green (55%)

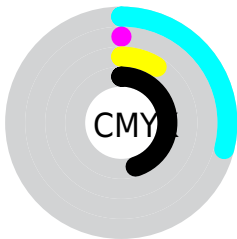
Blue (50%)



Red (39%)

Yellow (49%)

Blue (55%)

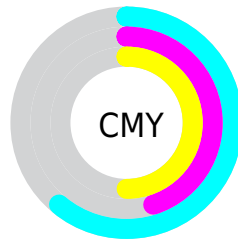


Cyan (29%)

Magenta (0%)

Yellow (9%)

Black (45%)



Cyan (61%)


Magenta (45%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 16.940, 171.545 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, 16.940, 171.545 by changing the saturation by 10% instead.


 55, 16.940,
171.545


 55, 16.940,
171.545


 100, 16.940,
171.545


 45, 16.940,
171.545


 75, 16.940,
171.545

 35, 16.940,
171.545

 85, 16.940,
171.545

 25, 16.940,
171.545

 95, 16.940,
171.545

 15, 16.940,
171.545

 5, 16.940, 171.545

 0, 16.940, 171.545

■ 55, 16.940,
171.545

■ 55, 16.940,
171.545

■ 54, 22.474,
170.423

■ 56, 11.152,
172.576

■ 53, 27.655,
169.194

■ 57, 5.195, 173.558

■ 53, 32.391,
167.833

■ 58, 0.851, 353.946

■ 60, 6.921, 355.144

■ 52, 36.602,
166.318

■ 61, 12.964,
355.950

■ 52, 40.231,
164.626

■ 63, 18.939,
356.700

■ 52, 43.266,
162.743


■ 64, 24.820,
357.411

■ 51, 45.835,
160.739

■ 66, 30.585,
358.089

■ 51, 46.190,

160.472

 68, 36.224,
358.738

Harmonies

Complementary

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



55, 16.940, 171.545



47, 18.247, 357.219

Rectangle

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



55, 16.940, 171.545



55, 16.940, 221.545



55, 16.940, 351.545



55, 16.940, 41.545

Sweetspot

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



55, 16.941, 171.543



72, 6.708, 173.500



55, 25.247, 133.387



38, 4.695, 173.371



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, 16.941, 171.543



69, 24.621, 170.870



53, 12.467, 216.418



29, 3.364, 173.505



49, 44.361, 160.592



1, 1.572, 174.261

Inverse Universe

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



47, 18.247, 357.219



57, 26.967, 358.044



48, 15.127, 35.874



27, 3.444, 355.022



27, 52.989, 17.116



0, 1.572, 354.248

Previews

White Background



This preview shows how the CIELCh color 55, 16.940, 171.545 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, 16.940, 171.545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

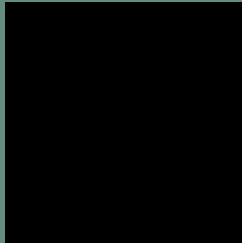
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 16.940, 171.545

Background



This preview shows how black text looks on a background with the CIELCh color 55, 16.940, 171.545.



This preview shows how white text looks on a background with the CIELCh color 55, 16.940, 171.545.

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, 16.940, 171.545

Protanopia
55, 5.529, 87.894

Deuteranopia
55, 7.063, 6.079



Tritanopia
55, 13.074, 227.518

Trichromacy



Original Color
55, 16.940, 171.545

Protanomaly
55, 7.254, 146.550

Deuteranomaly
55, 2.348, 152.252

Tritanomaly
55, 13.048, 203.258

Monochromacy



Original Color
55, 16.940, 171.545

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 6.579, 172.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 16.940, 171.545 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(100, 140, 127)` looks like.

```
.text, #text, p{  
    color:rgb(100, 140, 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(100, 140, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 140, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 16.940, 171.545 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(100, 140, 127) }
```

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

```
.border{ border-color:rgb(100, 140, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 140, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 140, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 140, 127);  
box-shadow:4px 4px 4px 4px rgb(100, 140,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 16.940, 171.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 140, 127) }
```

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

```
.background{ background-color: rgb(100,  
140, 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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