

Converting Colors

CIELCh(55, 19.329, 148.372)

Have a look what the booklet for
CIELCh(55, 19.329, 148.372)
contains.

CIELCh(55, 18.982, 148.781)	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, 18.982, 148.781)

Conversions

Conversions Part 1

Format	Color
Hex	6C8B72
RGB	108, 139, 114
RGB Percent	42%, 55%, 45%
CMY	0.5758, 0.4542, 0.5523
CMYK	0.22, 0.00, 0.18, 0.45
HSL	132°, 13%, 48%
HSV	132°, 22%, 55%
XYZ	18.5067, 22.9298, 19.4177
YIQ	126.8810, -10.4510, -14.3470

Conversions

Conversions Part 2

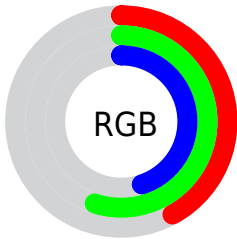
Format	Color
R_{YB}	108, 134, 139
Decimal	7113586
CIE _{Lab}	55.00, -16.23, 9.84
CIE _{LCh}	55, 18.982, 148.781
Yxy	22.9298, 0.3041, 0.3768
Android (android.graphics.Color)	4285303666 (0xFF6C8B72)
YUV	126.8810, -6.3503, -16.5586
Hunter-Lab	47.8851, -14.8120, 9.4771

Details

The CIELCh color $55, 18.982, 148.781$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $49, 19.057, 331.652$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 19.166, 148.760$, and $35, 19.018, 148.480$ is the 20% darker color. If you saturate the color by 10%, you get $54, 27.472, 147.910$, and if you desaturate by 10%, it is $56, 10.430, 149.540$.

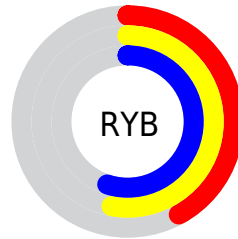
Distribution



Red (42%)

Green (55%)

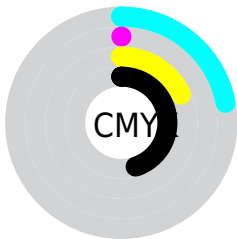
Blue (45%)



Red (42%)

Yellow (53%)

Blue (55%)

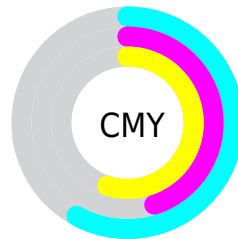


Cyan (22%)

Magenta (0%)

Yellow (18%)

Black (45%)



Cyan (58%)


Magenta (45%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 18.982, 148.781 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, 18.982, 148.781 by changing the saturation by 10% instead.


 55, 18.982,
148.781


 55, 18.982,
148.781


 100, 18.982,
148.781


 45, 18.982,
148.781


 75, 18.982,
148.781

 35, 18.982,
148.781

 85, 18.982,
148.781

 25, 18.982,
148.781

 95, 18.982,
148.781

 15, 18.982,
148.781

 5, 18.982, 148.781

 0, 18.982, 148.781

■ 55, 18.982,
148.781

■ 55, 18.982,
148.781

■ 54, 27.472,
147.910

■ 56, 10.430,
149.540

■ 53, 35.764,
146.907

■ 58, 1.920, 150.289

■ 59, 6.468, 330.694

■ 52, 43.701,
145.759

■ 61, 14.676,
331.206

■ 51, 51.108,
144.458

■ 62, 22.667,
331.643

■ 51, 57.801,
143.016

■ 64, 30.419,
332.027

■ 51, 63.604,
141.468


■ 66, 37.920,
332.366

■ 50, 68.360,
139.883

■ 68, 45.170,
332.669

■ 50, 71.364,

138.818

 70, 52.173,
332.941

Harmonies

Complementary

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



55, 18.982, 148.781



49, 19.057, 331.652

Rectangle

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



55, 18.982, 148.781



55, 18.982, 198.781



55, 18.982, 328.781



55, 18.982, 18.781

Sweetspot

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



55, 18.983, 148.781



72, 7.346, 149.901



57, 17.687, 115.832



38, 4.812, 149.867



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, 18.983, 148.781



69, 28.514, 148.334



55, 13.180, 172.769



28, 4.743, 149.762



48, 68.775, 138.898



1, 2.194, 150.306

Inverse Universe

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



49, 19.057, 331.652



61, 28.630, 331.993



49, 13.980, 357.016



27, 4.757, 330.819



29, 61.433, 337.451



0, 2.194, 330.299

Previews

White Background



This preview shows how the CIELCh color 55, 18.982, 148.781 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, 18.982, 148.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

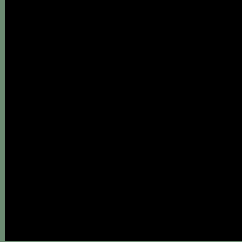
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 18.982, 148.781

Background



This preview shows how black text looks on a background with the CIELCh color 55, 18.982, 148.781.



This preview shows how white text looks on a background with the CIELCh color 55, 18.982, 148.781.

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

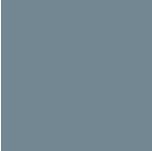
55, 18.982, 148.781

Protanopia

55, 12.358, 94.870

Deuteranopia

55, 10.904, 51.662



Tritanopia
55, 9.776, 239.294

Trichromacy



Original Color
55, 18.982, 148.781

Protanomaly
55, 12.897, 121.602

Deuteranomaly
55, 8.668, 100.889

Tritanomaly
55, 9.646, 188.146

Monochromacy



Original Color
55, 18.982, 148.781

Achromatopsia
53, 0.007, 296.813

Achromatomaly
54, 6.828, 149.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 18.982, 148.781 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(108, 139, 114)` looks like.

```
.text, #text, p{  
    color:rgb(108, 139, 114)  
}
```

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(108, 139, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 139, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 18.982, 148.781 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(108, 139, 114) }
```

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

```
.border{ border-color:rgb(108, 139, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 139, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 139, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 139, 114);  
box-shadow:4px 4px 4px 4px rgb(108, 139,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 18.982, 148.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 139, 114) }
```

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

```
.background{ background-color: rgb(108,  
139, 114) }
```

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