

Converting Colors

CIELCh(55, 29.611, 194.348)

Have a look what the booklet for
CIELCh(55, 29.611, 194.348)
contains.

CIELCh(55, 29.469, 194.410)	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, 29.469, 194.410)

Conversions

Conversions Part 1

Format	Color
Hex	2D918F
RGB	45, 145, 143
RGB Percent	18%, 57%, 56%
CMY	0.8251, 0.4296, 0.4375
CMYK	0.69, 0.00, 0.01, 0.43
HSL	179°, 53%, 37%
HSV	179°, 69%, 57%
XYZ	16.2474, 22.9298, 29.7280
YIQ	114.8720, -58.9580, -21.8220

Conversions

Conversions Part 2

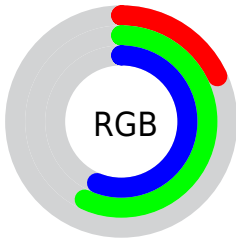
Format	Color
RYB	45, 96, 145
Decimal	2986383
CIELab	55.00, -28.54, -7.33
CIELCh	55, 29.469, 194.410
Yxy	22.9298, 0.2358, 0.3328
Android (android.graphics.Color)	4281176463 (0xFF2D918F)
YUV	114.8720, 13.8671, -61.2777
Hunter-Lab	47.8851, -23.2342, -3.2888

Details

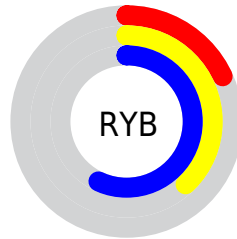
The CIELCh color **55, 29.469, 194.410** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **34, 48.182, 28.331**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 29.085, 195.104**, and **36, 24.329, 194.869** is the 20% darker color. If you saturate the color by 10%, you get **55, 31.393, 194.066**, and if you desaturate by 10%, it is **55, 26.862, 194.785**.

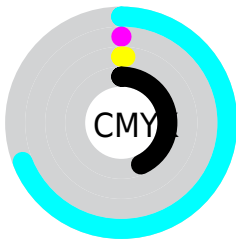
Distribution



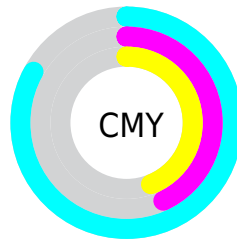
- Red (18%)
- Green (57%)
- Blue (56%)



- Red (18%)
- Yellow (38%)
- Blue (57%)



- Cyan (69%)
- Magenta (0%)
- Yellow (1%)
- Black (43%)





- Cyan (83%)
- Magenta (43%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 29.469, 194.410 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, 29.469, 194.410 by changing the saturation by 10% instead.


 55, 29.469,
194.410


 55, 29.469,
194.410


 100, 29.469,
194.410


 45, 29.469,
194.410


 75, 29.469,
194.410

 35, 29.469,
194.410

 85, 29.469,
194.410

 25, 29.469,
194.410

 95, 29.469,
194.410

 15, 29.469,
194.410

 5, 29.469, 194.410

 0, 29.469, 194.410

■ 55, 29.469,
194.410

■ 55, 29.469,
194.410

■ 55, 31.393,
194.066

■ 55, 26.862,
194.785

■ 55, 32.654,
193.750

■ 56, 23.592,
195.200

■ 54, 33.425,
193.451

■ 57, 19.710,
195.656

■ 54, 33.473,
193.432

■ 57, 15.287,
196.152

■ 58, 10.409,
196.690

■ 59, 5.160, 197.289

■ 60, 0.375, 16.628

■ 62, 6.119, 18.319

Harmonies

Complementary

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



55, 29.469, 194.410



34, 48.182, 28.331

Rectangle

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



55, 29.469, 194.410



55, 29.469, 244.410



55, 29.469, 14.410



55, 29.469, 64.410

Sweetspot

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



55, 29.469, 194.409



74, 13.890, 196.574



53, 64.930, 137.892



38, 9.300, 196.441



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, 29.469, 194.409



70, 38.956, 193.893



40, 31.137, 266.748



31, 3.165, 197.297



52, 32.164, 193.446



2, 2.830, 197.764

Inverse Universe

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



34, 48.182, 28.331



41, 71.575, 33.689



44, 39.607, 63.709



29, 3.342, 18.278



28, 64.474, 38.141



1, 2.830, 17.747

Previews

White Background



This preview shows how the CIE LCh color 55, 29.469, 194.410 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, 29.469, 194.410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

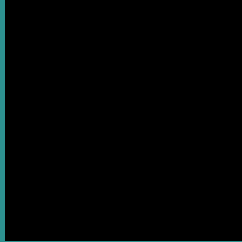
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 29.469, 194.410

Background



This preview shows how black text looks on a background with the CIELCh color 55, 29.469, 194.410.

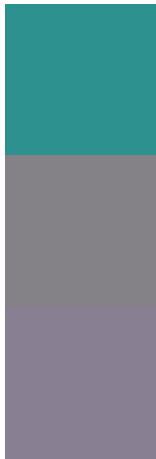


This preview shows how white text looks on a background with the CIELCh color 55, 29.469, 194.410.

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, 29.316, 194.412

Protanopia
55, 2.446, 309.158

Deuteranopia
55, 12.071, 307.935



Tritanopia
55, 27.105, 210.697

Trichromacy



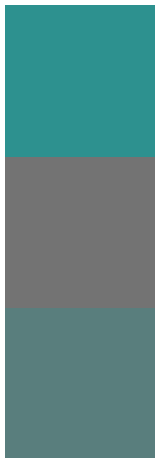
Original Color
55, 29.316, 194.412

Protanomaly
54, 13.092, 200.681

Deuteranomaly
54, 12.783, 231.472

Tritanomaly
55, 27.793, 204.114

Monochromacy



Original Color
55, 29.316, 194.412

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 13.647, 195.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 29.469, 194.410 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(45, 145, 143)` looks like.

```
.text, #text, p{  
    color:rgb(45, 145, 143)  
}
```

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(45, 145, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 145, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 29.469, 194.410 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(45, 145, 143) }
```

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

```
.border{ border-color:rgb(45, 145, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 145, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 145, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 145, 143);  
box-shadow:4px 4px 4px 4px rgb(45, 145,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 29.469, 194.410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 145, 143) }
```

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

```
.background{ background-color: rgb(45, 145,  
143) }
```

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