

Converting Colors

CIELCh(55, 31.699, 213.341)

Have a look what the booklet for
CIELCh(55, 31.699, 213.341)
contains.

CIELCh(55, 31.645, 213.888)	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, 31.645, 213.888)

Conversions

Conversions Part 1

Format	Color
Hex	0291A1
RGB	2, 145, 161
RGB Percent	1%, 57%, 63%
CMY	0.9918, 0.4303, 0.3675
CMYK	0.99, 0.10, 0.00, 0.37
HSL	186°, 97%, 32%
HSV	186°, 99%, 63%
XYZ	16.6498, 22.9298, 37.3934
YIQ	104.0670, -90.3640, -25.3400

Conversions

Conversions Part 2

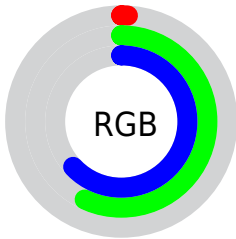
Format	Color
RYB	2, 77, 161
Decimal	168353
CIELab	55.00, -26.27, -17.64
CIELCh	55, 31.645, 213.888
Yxy	22.9298, 0.2163, 0.2979
Android (android.graphics.Color)	4278358433 (0xFF0291A1)
YUV	104.0670, 28.0680, -89.5128
Hunter-Lab	47.8851, -21.7340, -12.7799

Details

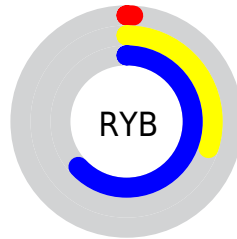
The CIELCh color **55, 31.645, 213.888** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **34, 71.762, 40.896**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 31.572, 214.409**, and **36, 23.436, 220.636** is the 20% darker color. If you saturate the color by 10%, you get **55, 31.697, 214.092**, and if you desaturate by 10%, it is **56, 31.175, 212.329**.

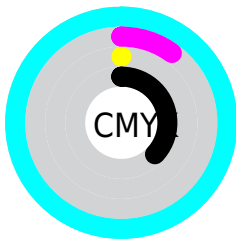
Distribution



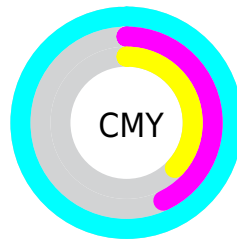
- Red (1%)
- Green (57%)
- Blue (63%)



- Red (1%)
- Yellow (30%)
- Blue (63%)



- Cyan (99%)
- Magenta (10%)
- Yellow (0%)
- Black (37%)





- Cyan (99%)
- Magenta (43%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 31.645, 213.888 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, 31.645, 213.888 by changing the saturation by 10% instead.


 55, 31.645,
213.888


 55, 31.645,
213.888


 100, 31.645,
213.888

 45, 31.645,
213.888


 75, 31.645,
213.888

 35, 31.645,
213.888

 85, 31.645,
213.888

 25, 31.645,
213.888

 95, 31.645,
213.888

 15, 31.645,
213.888

 5, 31.645, 213.888

 0, 31.645, 213.888

■ 55, 31.645,
213.888

■ 55, 31.645,
213.888

■ 55, 31.697,
214.092

■ 56, 31.175,
212.329

■ 56, 30.148,
211.053

■ 57, 28.418,
210.078

■ 58, 25.970,
209.367

■ 59, 22.830,
208.884

■ 60, 19.057,
208.592

■ 62, 14.730,
208.460

■ 63, 9.934, 208.465

Harmonies

Complementary

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



55, 31.645, 213.888



34, 71.762, 40.896

Rectangle

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



55, 31.645, 213.888



55, 31.645, 263.888



55, 31.645, 33.888



55, 31.645, 83.888

Sweetspot

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



55, 31.644, 213.887



78, 18.882, 208.473



58, 82.597, 137.112



40, 12.653, 208.518



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



55, 31.644, 213.887



70, 38.391, 214.465



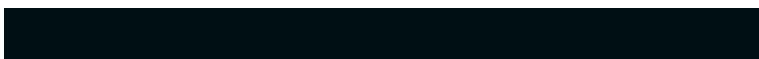
31, 60.496, 291.527



34, 3.115, 208.595



50, 29.391, 213.918



4, 4.851, 211.698

Inverse Universe

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



37, 75.679, 332.576



49, 91.900, 332.728



47, 58.258, 70.051



32, 5.850, 327.787



33, 70.362, 332.594



1, 8.871, 328.192

Previews

White Background



This preview shows how the CIE LCh color 55, 31.645, 213.888 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, 31.645, 213.888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

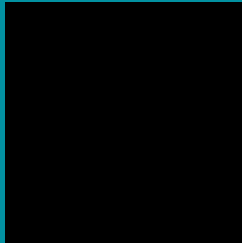
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 31.645, 213.888

Background



This preview shows how black text looks on a background with the CIELCh color 55, 31.645, 213.888.

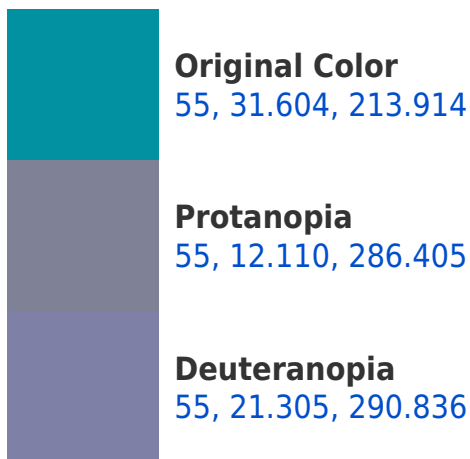


This preview shows how white text looks on a background with the CIELCh color 55, 31.645, 213.888.

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, 31.944, 208.199

Trichromacy



Original Color
55, 31.604, 213.914



Protanomaly
54, 20.130, 231.300



Deuteranomaly
53, 23.225, 247.053



Tritanomaly
55, 31.830, 210.436

Monochromacy



Original Color
55, 31.604, 213.914



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 17.924, 209.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 31.645, 213.888 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(2, 145, 161)` looks like.

```
.text, #text, p{  
    color:rgb(2, 145, 161)  
}
```

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(2, 145, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 145, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 31.645, 213.888 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(2, 145, 161) }
```

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

```
.border{ border-color:rgb(2, 145, 161) }
```

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

Here you see how a box with a 4 pixel rgb(2, 145, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 145, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 145, 161);  
box-shadow:4px 4px 4px 4px rgb(2, 145,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 31.645, 213.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 145, 161) }
```

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

```
.background{ background-color: rgb(2, 145,  
161) }
```

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