

Converting Colors

CIELCh(55, 30.960, 190.068)

Have a look what the booklet for
CIELCh(55, 30.960, 190.068)
contains.

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Color

CIELCh(55, 30.960, 190.068)

Conversions

Conversions Part 1

Format	Color
Hex	28928C
RGB	40, 146, 140
RGB Percent	16%, 57%, 55%
CMY	0.8427, 0.4271, 0.4507
CMYK	0.73, 0.00, 0.04, 0.43
HSL	177°, 57%, 37%
HSV	177°, 73%, 57%
XYZ	15.9087, 22.9298, 28.4269
YIQ	113.6220, -61.2500, -24.3380

Conversions

Conversions Part 2

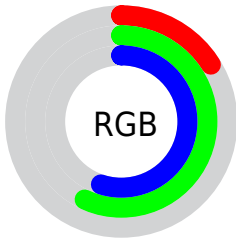
Format	Color
R_{YB}	40, 95, 146
Decimal	2658956
CIE _{Lab}	55.00, -30.48, -5.41
CIE _{LCh}	55, 30.960, 190.068
Yxy	22.9298, 0.2365, 0.3409
Android (android.graphics.Color)	4280849036 (0xFF28928C)
YUV	113.6220, 13.0044, -64.5665
Hunter-Lab	47.8851, -24.4964, -1.6778

Details

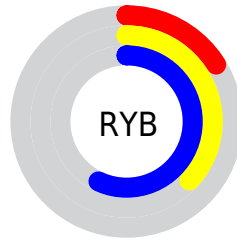
The CIELCh color **55, 30.960, 190.068** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **34, 49.811, 26.868**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 30.959, 190.026**, and **36, 25.351, 189.099** is the 20% darker color. If you saturate the color by 10%, you get **55, 32.820, 189.416**, and if you desaturate by 10%, it is **55, 28.419, 190.700**.

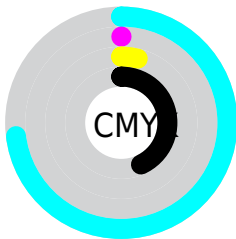
Distribution



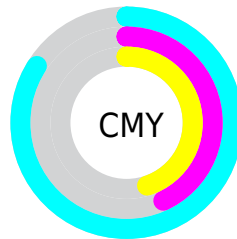
- Red (16%)
- Green (57%)
- Blue (55%)



- Red (16%)
- Yellow (37%)
- Blue (57%)



- Cyan (73%)
- Magenta (0%)
- Yellow (4%)
- Black (43%)





- Cyan (84%)
- Magenta (43%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 30.960, 190.068 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, 30.960, 190.068 by changing the saturation by 10% instead.


 55, 30.960,
190.068


 55, 30.960,
190.068


 100, 30.960,
190.068


 45, 30.960,
190.068


 75, 30.960,
190.068

 35, 30.960,
190.068

 85, 30.960,
190.068

 25, 30.960,
190.068

 95, 30.960,
190.068

 15, 30.960,
190.068

 5, 30.960, 190.068

 0, 30.960, 190.068

■ 55, 30.960,
190.068

■ 55, 30.960,
190.068

■ 55, 32.820,
189.416

■ 55, 28.419,
190.700

■ 55, 34.028,
188.734

■ 56, 25.211,
191.327

■ 54, 34.682,
188.217

■ 57, 21.383,
191.957

■ 57, 17.006,
192.596

■ 58, 12.163,
193.249

■ 59, 6.944, 193.930

■ 60, 1.435, 194.832

■ 62, 4.286, 15.102

Harmonies

Complementary

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



55, 30.960, 190.068



34, 49.811, 26.868

Rectangle

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



55, 30.960, 190.068



55, 30.960, 240.068



55, 30.960, 10.068



55, 30.960, 60.068

Sweetspot

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



55, 30.960, 190.067



74, 14.632, 193.256



53, 66.881, 137.089



38, 9.732, 193.100



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, 30.960, 190.067



69, 40.636, 188.996



41, 30.989, 263.776



31, 3.183, 194.172



51, 33.213, 188.258



2, 2.841, 194.717

Inverse Universe

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



34, 49.811, 26.868



41, 73.025, 33.094



43, 41.931, 60.250



29, 3.348, 15.303



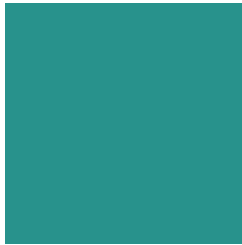
28, 63.302, 36.646



1, 2.841, 14.700

Previews

White Background



This preview shows how the CIELCh color 55, 30.960, 190.068 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, 30.960, 190.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

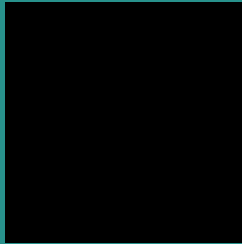
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 30.960, 190.068

Background



This preview shows how black text looks on a background with the CIELCh color 55, 30.960, 190.068.

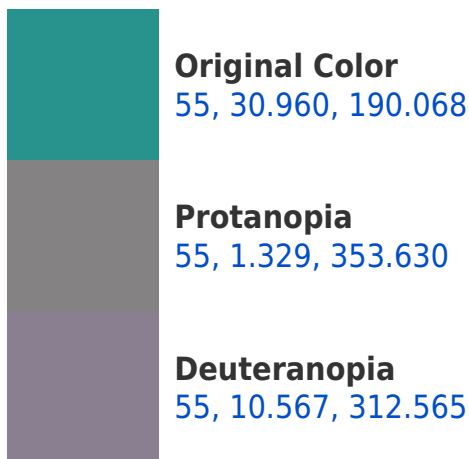



This preview shows how white text looks on a background with the CIELCh color 55, 30.960, 190.068.

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, 27.264, 210.604

Trichromacy



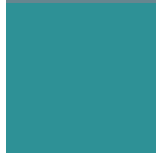
Original Color
55, 30.960, 190.068



Protanomaly
54, 13.649, 193.186



Deuteranomaly
54, 12.406, 223.296

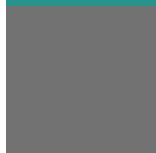


Tritanomaly
55, 28.332, 202.734

Monochromacy



Original Color
55, 30.960, 190.068



Achromatopsia
48, 0.006, 296.813



Achromatomaly
50, 14.536, 190.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 30.960, 190.068 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(40, 146, 140)` looks like.

```
.text, #text, p{  
    color:rgb(40, 146, 140)  
}
```

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(40, 146, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 146, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 30.960, 190.068 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(40, 146, 140) }
```

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

```
.border{ border-color:rgb(40, 146, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 146, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 146, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 146, 140);  
box-shadow:4px 4px 4px 4px rgb(40, 146,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 30.960, 190.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 146, 140) }
```

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

```
.background{ background-color: rgb(40, 146,  
140) }
```

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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