

Converting Colors

CIELCh(55, 33.147, 176.949)

Have a look what the booklet for
CIELCh(55, 33.147, 176.949)
contains.

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Color

CIELCh(55, 33.175, 177.004)

Conversions

Conversions Part 1

Format	Color
Hex	309380
RGB	48, 147, 128
RGB Percent	19%, 58%, 50%
CMY	0.8134, 0.4249, 0.4993
CMYK	0.68, 0.00, 0.13, 0.42
HSL	169°, 51%, 38%
HSV	169°, 68%, 58%
XYZ	15.4548, 22.9298, 23.9207
YIQ	115.2330, -52.9050, -26.8970

Conversions

Conversions Part 2

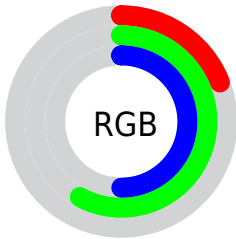
Format	Color
RYB	48, 103, 147
Decimal	3183488
CIELab	55.00, -33.13, 1.73
CIElCh	55, 33.175, 177.004
Yxy	22.9298, 0.2480, 0.3680
Android (android.graphics.Color)	4281373568 (0xFF309380)
YUV	115.2330, 6.2941, -58.9633
Hunter-Lab	47.8851, -26.1887, 3.9016

Details

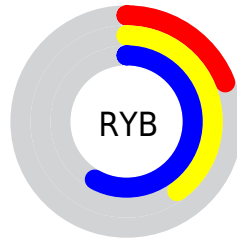
The CIELCh color **55, 33.175, 177.004** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **35, 44.536, 15.124**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 33.273, 176.924**, and **36, 29.137, 174.407** is the 20% darker color. If you saturate the color by 10%, you get **55, 36.113, 175.627**, and if you desaturate by 10%, it is **56, 29.596, 178.252**.

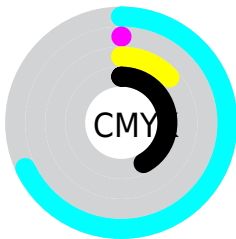
Distribution



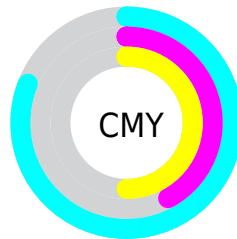
- Red (19%)
- Green (58%)
- Blue (50%)



- Red (19%)
- Yellow (40%)
- Blue (58%)



- Cyan (68%)
- Magenta (0%)
- Yellow (13%)
- Black (42%)





- Cyan (81%)
- Magenta (42%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 33.175, 177.004 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, 33.175, 177.004 by changing the saturation by 10% instead.


 55, 33.175,
177.004


 55, 33.175,
177.004


 100, 33.175,
177.004


 45, 33.175,
177.004


 75, 33.175,
177.004


 35, 33.175,
177.004

 85, 33.175,
177.004

 25, 33.175,
177.004

 95, 33.175,
177.004

 15, 33.175,
177.004

 5, 33.175, 177.004

 0, 33.175, 177.004

■ 55, 33.175,
177.004

■ 55, 33.175,
177.004

■ 55, 36.113,
175.627

■ 56, 29.596,
178.252

■ 54, 38.402,
174.104

■ 56, 25.422,
179.397

■ 54, 40.144,
172.452

■ 57, 20.727,
180.457

■ 54, 40.553,
172.058

■ 58, 15.600,
181.450

■ 59, 10.136,
182.396

■ 60, 4.426, 183.335

■ 61, 1.449, 3.811

■ 62, 7.419, 4.855

Harmonies

Complementary

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



55, 33.175, 177.004



35, 44.536, 15.124

Rectangle

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



55, 33.175, 177.004



55, 33.175, 227.004



55, 33.175, 357.004



55, 33.175, 47.004

Sweetspot

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



55, 33.175, 177.003



75, 14.265, 182.130



54, 61.508, 134.899



39, 9.761, 181.889



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



55, 33.175, 177.003



70, 45.452, 174.866



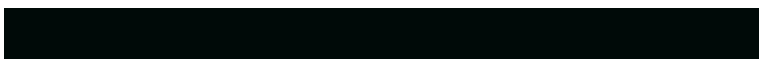
46, 25.494, 242.195



31, 3.324, 183.175



51, 38.681, 172.169



2, 2.946, 183.902

Inverse Universe

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



35, 44.536, 15.124



42, 64.694, 20.800



41, 40.186, 48.823



29, 3.447, 4.649



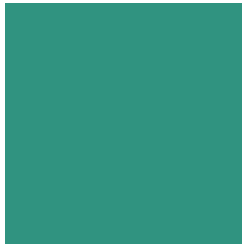
28, 58.367, 28.640



1, 2.946, 3.886

Previews

White Background



This preview shows how the CIE LCh color 55, 33.175, 177.004 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, 33.175, 177.004 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, 33.175, 177.004

Background



This preview shows how black text looks on a background with the CIELCh color 55, 33.175, 177.004.

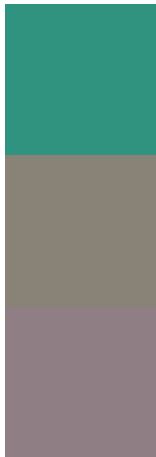


This preview shows how white text looks on a background with the CIELCh color 55, 33.175, 177.004.

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, 33.175, 177.004

Protanopia
55, 6.759, 87.981

Deuteranopia
55, 7.025, 356.087



Tritanopia
55, 25.333, 211.824

Trichromacy



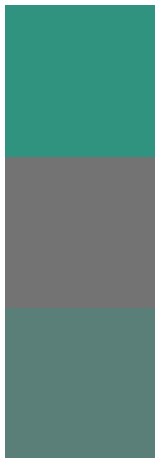
Original Color
55, 33.175, 177.004

Protanomaly
54, 14.874, 165.068

Deuteranomaly
54, 10.189, 185.262

Tritanomaly
55, 27.111, 196.885

Monochromacy



Original Color
55, 33.175, 177.004

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 14.599, 181.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 33.175, 177.004 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(48, 147, 128)` looks like.

```
.text, #text, p{  
    color:rgb(48, 147, 128)  
}
```

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(48, 147, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 147, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 33.175, 177.004 is called "border". The border property can be set on classes, ids or directly on the HTML element.

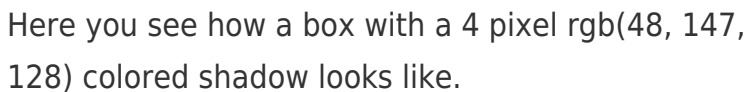
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 147, 128) }
```

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

```
.border{ border-color:rgb(48, 147, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(48, 147, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 147, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 147, 128);  
box-shadow:4px 4px 4px 4px rgb(48, 147,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 33.175, 177.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 147, 128) }
```

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

```
.background{ background-color: rgb(48, 147,  
128) }
```

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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