

Converting Colors

CIELCh(55, 30.632, 209.944)

Have a look what the booklet for
CIELCh(55, 30.632, 209.944)
contains.

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Color

CIELCh(55, 30.559, 209.984)

Conversions

Conversions Part 1

Format	Color
Hex	17919D
RGB	23, 145, 157
RGB Percent	9%, 57%, 62%
CMY	0.9082, 0.4307, 0.3836
CMYK	0.85, 0.08, 0.00, 0.38
HSL	185°, 74%, 35%
HSV	185°, 85%, 62%
XYZ	16.6142, 22.9298, 35.5254
YIQ	109.8900, -76.5640, -22.1320

Conversions

Conversions Part 2

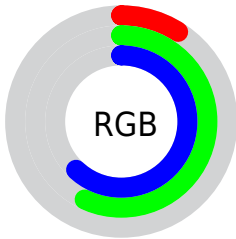
Format	Color
R_{YB}	23, 87, 157
Decimal	1544605
CIE Lab	55.00, -26.47, -15.27
CIE LCh	55, 30.559, 209.984
Yxy	22.9298, 0.2213, 0.3054
Android (android.graphics.Color)	4279734685 (0xFF17919D)
YUV	109.8900, 23.2252, -76.2025
Hunter-Lab	47.8851, -21.8668, -10.4669

Details

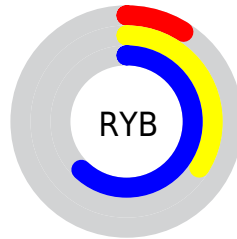
The CIELCh color **55, 30.559, 209.984** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **35, 61.832, 37.848**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 30.504, 210.769**, and **36, 23.275, 215.726** is the 20% darker color. If you saturate the color by 10%, you get **54, 31.178, 211.259**, and if you desaturate by 10%, it is **56, 29.289, 208.987**.

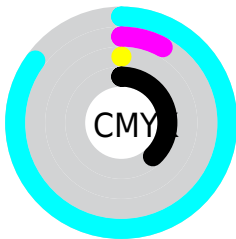
Distribution



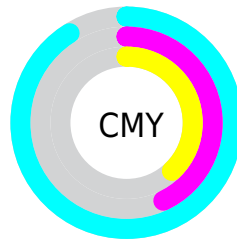
- Red (9%)
- Green (57%)
- Blue (62%)



- Red (9%)
- Yellow (34%)
- Blue (62%)



- Cyan (85%)
- Magenta (8%)
- Yellow (0%)
- Black (38%)





- Cyan (91%)
- Magenta (43%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 30.559, 209.984 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, 30.559, 209.984 by changing the saturation by 10% instead.


 55, 30.559,
209.984


 55, 30.559,
209.984


 100, 30.559,
209.984


 45, 30.559,
209.984


 75, 30.559,
209.984

 35, 30.559,
209.984

 85, 30.559,
209.984

 25, 30.559,
209.984

 95, 30.559,
209.984

 15, 30.559,
209.984

 5, 30.559, 209.984

 0, 30.559, 209.984

■ 55, 30.559,
209.984

■ 55, 30.559,
209.984

■ 54, 31.178,
211.259

■ 56, 29.289,
208.987

■ 54, 31.380,
211.928

■ 57, 27.315,
208.248

■ 57, 24.639,
207.735

■ 59, 21.298,
207.416

■ 60, 17.360,
207.260

■ 61, 12.904,
207.244

■ 62, 8.018, 207.349

■ 64, 2.784, 207.628

Harmonies

Complementary

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



55, 30.559, 209.984



35, 61.832, 37.848

Rectangle

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



55, 30.559, 209.984



55, 30.559, 259.984



55, 30.559, 29.984



55, 30.559, 79.984

Sweetspot

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



55, 30.558, 209.983



77, 16.441, 207.238



57, 76.171, 138.275



40, 10.989, 207.235



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



55, 30.558, 209.983



69, 38.021, 212.262



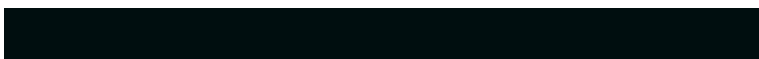
34, 49.060, 284.855



33, 3.063, 207.475



49, 29.273, 211.786



3, 4.040, 209.500

Inverse Universe

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



38, 71.992, 331.474



47, 90.999, 332.188



48, 51.863, 71.718



31, 5.741, 327.456



33, 70.047, 332.071



1, 7.371, 327.534

Previews

White Background



This preview shows how the CIE LCh color 55, 30.559, 209.984 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, 30.559, 209.984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

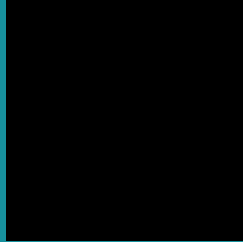
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 30.559, 209.984

Background



This preview shows how black text looks on a background with the CIELCh color 55, 30.559, 209.984.

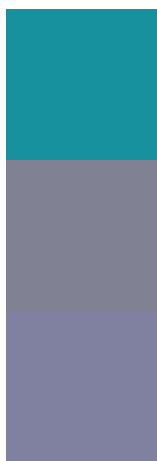


This preview shows how white text looks on a background with the CIELCh color 55, 30.559, 209.984.

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

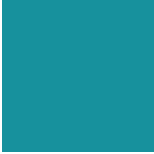
55, 30.559, 209.984

Protanopia

55, 9.797, 286.990

Deuteranopia

55, 19.011, 292.448



Tritanopia
55, 30.559, 209.984

Trichromacy



Original Color
55, 30.559, 209.984

Protanomaly
54, 17.389, 228.183

Deuteranomaly
54, 20.204, 246.828

Tritanomaly
55, 30.559, 209.984

Monochromacy



Original Color
55, 30.559, 209.984

Achromatopsia
46, 0.006, 296.813

Achromatomaly
49, 15.652, 206.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 30.559, 209.984 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(23, 145, 157)` looks like.

```
.text, #text, p{  
    color:rgb(23, 145, 157)  
}
```

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(23, 145, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 145, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 30.559, 209.984 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(23, 145, 157) }
```

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

```
.border{ border-color:rgb(23, 145, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 145, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 145, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 145, 157);  
box-shadow:4px 4px 4px 4px rgb(23, 145,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 30.559, 209.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 145, 157) }
```

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

```
.background{ background-color: rgb(23, 145,  
157) }
```

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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