

Converting Colors

CIELCh(55, 29.176, 196.713)

Have a look what the booklet for
CIELCh(55, 29.176, 196.713)
contains.

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Color

CIELCh(55, 29.175, 196.714)

Conversions

Conversions Part 1

Format	Color
Hex	2C9191
RGB	44, 145, 145
RGB Percent	17%, 57%, 57%
CMY	0.8260, 0.4303, 0.4303
CMYK	0.69, 0.00, 0.00, 0.43
HSL	180°, 53%, 37%
HSV	180°, 69%, 57%
XYZ	16.3529, 22.9298, 30.4605
YIQ	114.8010, -60.1960, -21.4120

Conversions

Conversions Part 2

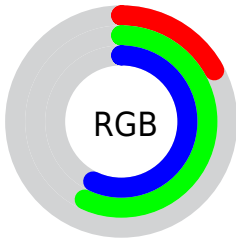
Format	Color
RYB	44, 95, 145
Decimal	2920849
CIELab	55.00, -27.94, -8.39
CIELCh	55, 29.175, 196.714
Yxy	22.9298, 0.2345, 0.3288
Android (android.graphics.Color)	4281110929 (0xFF2C9191)
YUV	114.8010, 14.8881, -62.0925
Hunter-Lab	47.8851, -22.8408, -4.1957

Details

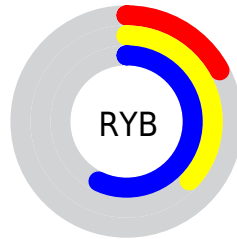
The CIELCh color **55, 29.175, 196.714** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **34, 48.710, 29.687**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 29.104, 197.264**, and **36, 23.990, 197.924** is the 20% darker color. If you saturate the color by 10%, you get **55, 31.023, 196.550**, and if you desaturate by 10%, it is **55, 26.643, 196.938**.

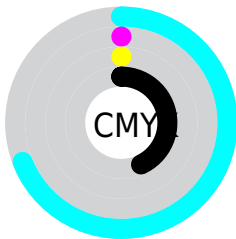
Distribution



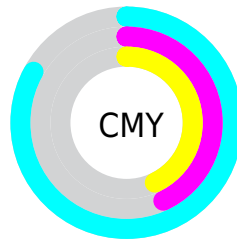
- Red (17%)
- Green (57%)
- Blue (57%)



- Red (17%)
- Yellow (37%)
- Blue (57%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 29.175, 196.714 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, 29.175, 196.714 by changing the saturation by 10% instead.


 55, 29.175,
196.714

 55, 29.175,
196.714


 100, 29.175,
196.714


 45, 29.175,
196.714


 75, 29.175,
196.714

 35, 29.175,
196.714

 85, 29.175,
196.714

 25, 29.175,
196.714

 95, 29.175,
196.714

 15, 29.175,
196.714

 5, 29.175, 196.714

 0, 29.175, 196.714

■ 55, 29.175,
196.714

■ 55, 29.175,
196.714

■ 55, 31.023,
196.550

■ 55, 26.643,
196.938

■ 55, 32.212,
196.445

■ 56, 23.446,
197.226

■ 54, 32.918,
196.384

■ 57, 19.629,
197.575

■ 54, 32.955,
196.380

■ 57, 15.262,
197.983

■ 58, 10.426,
198.448

■ 59, 5.208, 198.985

■ 60, 0.308, 18.018

■ 62, 6.047, 19.920

Harmonies

Complementary

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



55, 29.175, 196.714



34, 48.710, 29.687

Rectangle

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



55, 29.175, 196.714



55, 29.175, 246.714



55, 29.175, 16.714



55, 29.175, 66.714

Sweetspot

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



55, 29.175, 196.713



74, 13.845, 198.351



53, 65.179, 138.131



38, 9.267, 198.236



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, 29.175, 196.713



70, 38.477, 196.488



40, 31.931, 268.748



30, 3.069, 199.002



51, 31.268, 196.380



2, 2.121, 199.419

Inverse Universe

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



34, 48.710, 29.687



41, 72.437, 34.819



44, 39.645, 65.256



28, 3.246, 19.885



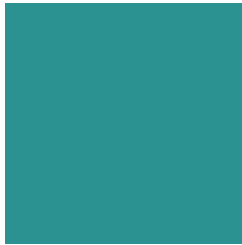
27, 64.130, 38.797



0, 2.121, 19.402

Previews

White Background



This preview shows how the CIE LCh color 55, 29.175, 196.714 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, 29.175, 196.714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

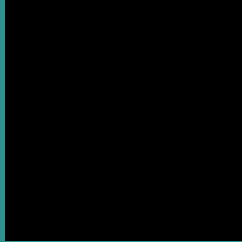
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 29.175, 196.714

Background



This preview shows how black text looks on a background with the CIELCh color 55, 29.175, 196.714.

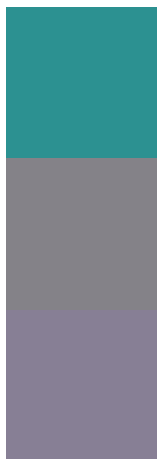


This preview shows how white text looks on a background with the CIELCh color 55, 29.175, 196.714.

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, 29.175, 196.714

Protanopia

55, 3.554, 303.267

Deuteranopia

55, 13.083, 304.958



Tritanopia
55, 27.264, 210.604

Trichromacy



Original Color
55, 29.175, 196.714

Protanomaly
54, 13.064, 205.826

Deuteranomaly
54, 13.594, 235.175

Tritanomaly
55, 27.687, 205.380

Monochromacy



Original Color
55, 29.175, 196.714

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 13.565, 198.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 29.175, 196.714 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(44, 145, 145)` looks like.

```
.text, #text, p{  
    color:rgb(44, 145, 145)  
}
```

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(44, 145, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 145, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 29.175, 196.714 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(44, 145, 145) }
```

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

```
.border{ border-color:rgb(44, 145, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 145, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 145, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 145, 145);  
box-shadow:4px 4px 4px 4px rgb(44, 145,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 29.175, 196.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 145, 145) }
```

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

```
.background{ background-color: rgb(44, 145,  
145) }
```

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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