

Converting Colors

CIELCh(58, 29.250, 207.120)

Have a look what the booklet for
CIELCh(58, 29.250, 207.120)
contains.

CIELCh(58, 29.250, 207.120)	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(58, 29.250, 207.120)

Conversions

Conversions Part 1

Format	Color
Hex	3199A2
RGB	49, 153, 162
RGB Percent	19%, 60%, 64%
CMY	0.8089, 0.4008, 0.3655
CMYK	0.70, 0.06, 0.00, 0.37
HSL	185°, 54%, 41%
HSV	185°, 70%, 63%
XYZ	19.1129, 25.9610, 38.0880
YIQ	122.9300, -64.8730, -19.2490

Conversions

Conversions Part 2

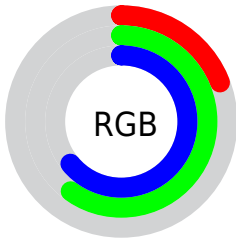
Format	Color
RYB	49, 103, 162
Decimal	3250594
CIELab	58.00, -26.03, -13.33
CIElCh	58, 29.250, 207.120
Yxy	25.9610, 0.2298, 0.3122
Android (android.graphics.Color)	4281440674 (0xFF3199A2)
YUV	122.9300, 19.2615, -64.8366
Hunter-Lab	50.9519, -22.2076, -8.6546

Details

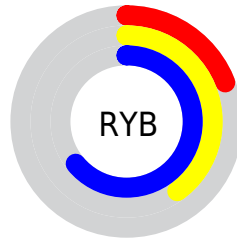
The CIELCh color **58, 29.250, 207.120** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **39, 51.195, 33.858**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 29.358, 206.945**, and **39, 24.483, 209.883** is the 20% darker color. If you saturate the color by 10%, you get **57, 30.928, 207.851**, and if you desaturate by 10%, it is **59, 26.838, 206.605**.

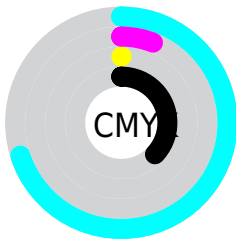
Distribution



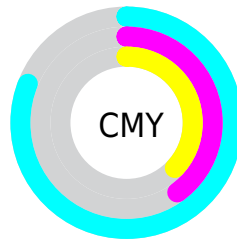
- Red (19%)
- Green (60%)
- Blue (64%)



- Red (19%)
- Yellow (40%)
- Blue (64%)



- Cyan (70%)
- Magenta (6%)
- Yellow (0%)
- Black (37%)





- Cyan (81%)
- Magenta (40%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 29.250, 207.120 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 58, 29.250, 207.120 by changing the saturation by 10% instead.


 58, 29.250,
207.120


 58, 29.250,
207.120


 100, 29.250,
207.120


 48, 29.250,
207.120


 78, 29.250,
207.120

 38, 29.250,
207.120

 88, 29.250,
207.120

 28, 29.250,
207.120

 98, 29.250,
207.120

 18, 29.250,
207.120

 8, 29.250, 207.120

 0, 29.250, 207.120

■ 58, 29.250,
207.120

■ 58, 29.250,
207.120

■ 57, 30.928,
207.851

■ 59, 26.838,
206.605

■ 57, 31.896,
208.826

■ 60, 23.717,
206.283

■ 56, 32.340,
210.007

■ 61, 19.940,
206.124

■ 56, 32.345,
210.021

■ 62, 15.585,
206.105

■ 64, 10.741,
206.204

■ 65, 5.495, 206.424

■ 67, 0.067, 19.456

■ 68, 5.868, 26.813

Harmonies

Complementary

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



58, 29.250, 207.120



39, 51.195, 33.858

Rectangle

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



58, 29.250, 207.120



58, 29.250, 257.120



58, 29.250, 27.120



58, 29.250, 77.120

Sweetspot

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



58, 29.249, 207.119



80, 13.911, 206.182



59, 68.929, 139.775



42, 9.315, 206.150



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



58, 29.249, 207.119



72, 38.187, 208.372



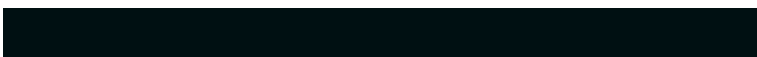
41, 39.881, 277.738



34, 3.173, 206.443



51, 29.922, 209.886



4, 4.955, 208.988

Inverse Universe

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



41, 66.697, 330.419



50, 89.882, 331.085



51, 44.088, 72.856



32, 5.936, 327.155



33, 71.504, 331.606



1, 9.035, 327.380

Previews

White Background



This preview shows how the CIELCh color 58, 29.250, 207.120 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 58, 29.250, 207.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

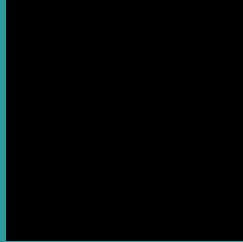
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 29.250, 207.120

Background



This preview shows how black text looks on a background with the CIELCh color 58, 29.250, 207.120.

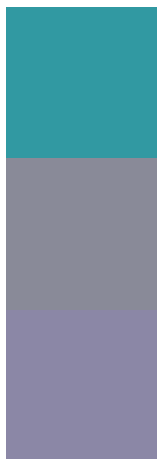


This preview shows how white text looks on a background with the CIELCh color 58, 29.250, 207.120.

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

58, 29.250, 207.120

Protanopia

58, 7.974, 288.414

Deuteranopia

58, 17.771, 296.846



Tritanopia
58, 28.853, 212.061

Trichromacy



Original Color
58, 29.250, 207.120

Protanomaly
57, 14.843, 228.525

Deuteranomaly
57, 17.275, 248.498

Tritanomaly
58, 28.849, 210.863

Monochromacy



Original Color
58, 29.250, 207.120

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 13.724, 205.402

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 29.250, 207.120 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(49, 153, 162)` looks like.

```
.text, #text, p{  
    color:rgb(49, 153, 162)  
}
```

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(49, 153, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 153, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 29.250, 207.120 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(49, 153, 162) }
```

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

```
.border{ border-color:rgb(49, 153, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 153, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 153, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 153, 162);  
box-shadow:4px 4px 4px 4px rgb(49, 153,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 29.250, 207.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 153, 162) }
```

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

```
.background{ background-color: rgb(49, 153,  
162) }
```

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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