

Converting Colors

CIELCh(58, 29.294, 205.953)

Have a look what the booklet for
CIELCh(58, 29.294, 205.953)
contains.

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Color

CIELCh(58, 29.294, 205.944)

Conversions

Conversions Part 1

Format	Color
Hex	3199A1
RGB	49, 153, 161
RGB Percent	19%, 60%, 63%
CMY	0.8085, 0.4005, 0.3691
CMYK	0.70, 0.05, 0.00, 0.37
HSL	184°, 53%, 41%
HSV	184°, 70%, 63%
XYZ	19.0527, 25.9610, 37.6696
YIQ	122.8160, -64.5520, -19.5600

Conversions

Conversions Part 2

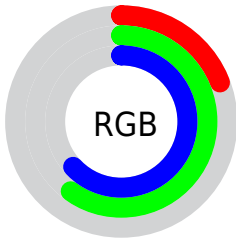
Format	Color
R_{YB}	49, 103, 161
Decimal	3250593
CIE _{Lab}	58.00, -26.34, -12.82
CIE _{LCh}	58, 29.294, 205.944
Yxy	25.9610, 0.2304, 0.3140
Android (android.graphics.Color)	4281440673 (0xFF3199A1)
YUV	122.8160, 18.8247, -64.7366
Hunter-Lab	50.9519, -22.4184, -8.1677

Details

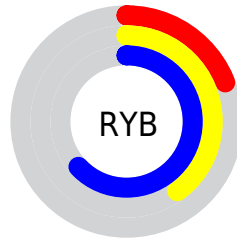
The CIELCh color **58, 29.294, 205.944** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **39, 50.998, 33.362**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 29.375, 205.858**, and **39, 24.483, 209.883** is the 20% darker color. If you saturate the color by 10%, you get **57, 31.001, 206.564**, and if you desaturate by 10%, it is **59, 26.853, 205.520**.

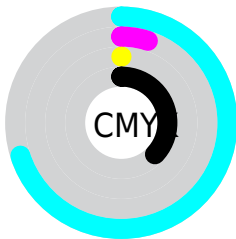
Distribution



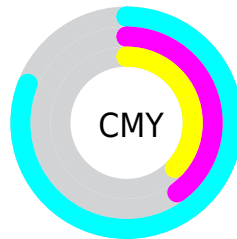
- Red (19%)
- Green (60%)
- Blue (63%)



- Red (19%)
- Yellow (40%)
- Blue (63%)



- Cyan (70%)
- Magenta (5%)
- Yellow (0%)
- Black (37%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 29.294, 205.944 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, 29.294, 205.944 by changing the saturation by 10% instead.


 58, 29.294,
205.944

 58, 29.294,
205.944


 100, 29.294,
205.944


 48, 29.294,
205.944


 78, 29.294,
205.944

 38, 29.294,
205.944

 88, 29.294,
205.944

 28, 29.294,
205.944

 98, 29.294,
205.944

 18, 29.294,
205.944

 8, 29.294, 205.944

 0, 29.294, 205.944

■ 58, 29.294,
205.944

■ 58, 29.294,
205.944

■ 57, 31.001,
206.564

■ 59, 26.853,
205.520

■ 57, 31.996,
207.406

■ 60, 23.703,
205.272

■ 56, 32.458,
208.436

■ 61, 19.899,
205.175

■ 56, 32.473,
208.473

■ 62, 15.518,
205.207

■ 63, 10.648,
205.351

■ 65, 5.379, 205.610

■ 66, 0.206, 23.502

■ 68, 6.028, 26.064

Harmonies

Complementary

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



58, 29.294, 205.944



39, 50.998, 33.362

Rectangle

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



58, 29.294, 205.944



58, 29.294, 255.944



58, 29.294, 25.944



58, 29.294, 75.944

Sweetspot

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



58, 29.294, 205.943



80, 14.015, 205.318



58, 68.439, 139.809



42, 9.385, 205.276



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, 29.294, 205.943



73, 38.486, 207.037



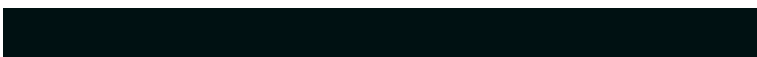
41, 39.558, 277.641



34, 3.196, 205.623



51, 30.164, 208.360



4, 4.999, 207.948

Inverse Universe

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



41, 66.614, 330.113



50, 90.407, 330.754



51, 43.730, 72.899



32, 5.969, 326.913



34, 71.956, 331.232



2, 9.101, 327.067

Previews

White Background



This preview shows how the CIE LCh color 58, 29.294, 205.944 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, 29.294, 205.944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

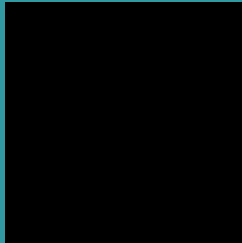
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 29.294, 205.944

Background



This preview shows how black text looks on a background with the CIELCh color 58, 29.294, 205.944.

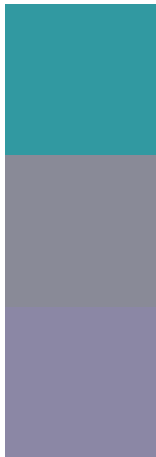


This preview shows how white text looks on a background with the CIELCh color 58, 29.294, 205.944.

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, 29.294, 205.944

Protanopia

58, 7.406, 288.134

Deuteranopia

58, 17.204, 296.952



Tritanopia
58, 28.708, 212.150

Trichromacy



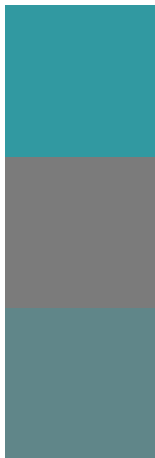
Original Color
58, 29.294, 205.944

Protanomaly
57, 14.630, 226.416

Deuteranomaly
57, 17.087, 246.205

Tritanomaly
58, 28.849, 210.863

Monochromacy



Original Color
58, 29.294, 205.944

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, 29.294, 205.944 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(49, 153, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 153, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 29.294, 205.944 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, 161) }
```

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

```
.border{ border-color:rgb(49, 153, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 153, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 153, 161);  
box-shadow:4px 4px 4px 4px rgb(49, 153,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 29.294, 205.944 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, 161) }
```

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

```
.background{ background-color: rgb(49, 153,  
161) }
```

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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