

Converting Colors

CIELCh(58, 29.847, 203.470)

Have a look what the booklet for
CIELCh(58, 29.847, 203.470)
contains.

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Color

CIELCh(58, 29.847, 203.470)

Conversions

Conversions Part 1

Format	Color
Hex	2E999F
RGB	46, 153, 159
RGB Percent	18%, 60%, 62%
CMY	0.8183, 0.3991, 0.3755
CMYK	0.71, 0.04, 0.00, 0.38
HSL	183°, 55%, 40%
HSV	183°, 71%, 62%
XYZ	18.8511, 25.9610, 36.9270
YIQ	121.6910, -65.6980, -20.8180

Conversions

Conversions Part 2

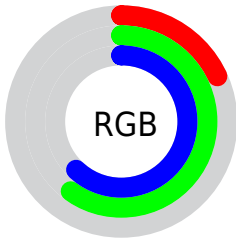
Format	Color
R _Y B	46, 101, 159
Decimal	3053983
CIE _{Lab}	58.00, -27.38, -11.89
CIE _{LCh}	58, 29.847, 203.470
Y _{xy}	25.9610, 0.2306, 0.3176
Android (android.graphics.Color)	4281244063 (0xFF2E999F)
YUV	121.6910, 18.3933, -66.3810
Hunter-Lab	50.9519, -23.1248, -7.3036

Details

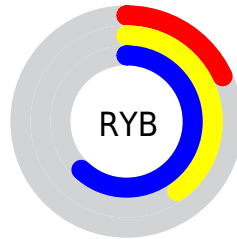
The CIELCh color **58, 29.847, 203.470** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **38, 52.154, 32.727**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 29.888, 203.565**, and **39, 24.580, 206.808** is the 20% darker color. If you saturate the color by 10%, you get **57, 31.498, 203.889**, and if you desaturate by 10%, it is **59, 27.462, 203.209**.

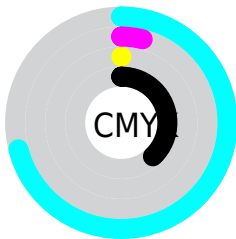
Distribution



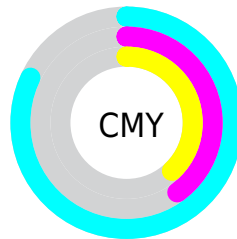
- Red (18%)
- Green (60%)
- Blue (62%)



- Red (18%)
- Yellow (40%)
- Blue (62%)



- Cyan (71%)
- Magenta (4%)
- Yellow (0%)
- Black (38%)





- Cyan (82%)
- Magenta (40%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 29.847, 203.470 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, 29.847, 203.470 by changing the saturation by 10% instead.

 58, 29.847,
203.470

 58, 29.847,
203.470


 100, 29.847,
203.470


 48, 29.847,
203.470


 78, 29.847,
203.470

 38, 29.847,
203.470

 88, 29.847,
203.470

 28, 29.847,
203.470

 98, 29.847,
203.470

 18, 29.847,
203.470

 8, 29.847, 203.470

 0, 29.847, 203.470

■ 58, 29.847,
203.470

■ 58, 29.847,
203.470

■ 57, 31.498,
203.889

■ 59, 27.462,
203.209

■ 57, 32.446,
204.482

■ 59, 24.362,
203.095

■ 57, 32.879,
205.138

■ 60, 20.598,
203.108

■ 61, 16.243,
203.231

■ 63, 11.385,
203.453

■ 64, 6.113, 203.773

■ 65, 0.515, 204.954

■ 67, 5.331, 24.347

Harmonies

Complementary

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



58, 29.847, 203.470



38, 52.154, 32.727

Rectangle

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



58, 29.847, 203.470



58, 29.847, 253.470



58, 29.847, 23.470



58, 29.847, 73.470

Sweetspot

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



58, 29.847, 203.469



79, 14.118, 203.440



58, 69.471, 139.264



42, 9.548, 203.375



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, 29.847, 203.469



73, 38.965, 204.206



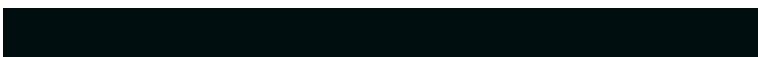
41, 38.905, 276.499



33, 3.167, 203.840



51, 30.376, 205.051



3, 4.197, 205.226

Inverse Universe

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



41, 67.695, 329.519



50, 91.127, 330.063



50, 44.007, 71.179



31, 5.887, 326.381



33, 72.046, 330.416



1, 7.597, 326.241

Previews

White Background



This preview shows how the CIELCh color 58, 29.847, 203.470 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, 29.847, 203.470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

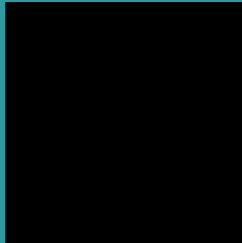
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 29.847, 203.470

Background



This preview shows how black text looks on a background with the CIELCh color 58, 29.847, 203.470.

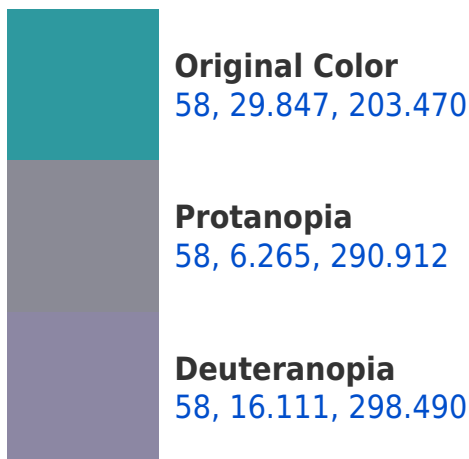


This preview shows how white text looks on a background with the CIELCh color 58, 29.847, 203.470.

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





Tritanopia
58, 28.853, 212.061

Trichromacy



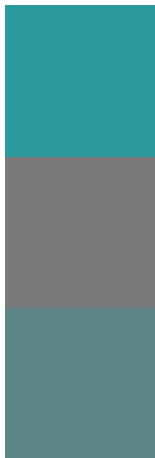
Original Color
58, 29.847, 203.470

Protanomaly
57, 14.393, 219.264

Deuteranomaly
57, 16.374, 243.048

Tritanomaly
58, 29.002, 209.589

Monochromacy



Original Color
58, 29.847, 203.470

Achromatopsia
51, 0.007, 296.813

Achromatomaly
53, 14.050, 205.204

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 29.847, 203.470 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(46, 153, 159)` looks like.

```
.text, #text, p{  
    color:rgb(46, 153, 159)  
}
```

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(46, 153, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 153, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 29.847, 203.470 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(46, 153, 159) }
```

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

```
.border{ border-color:rgb(46, 153, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 153, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 153, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 153, 159);  
box-shadow:4px 4px 4px 4px rgb(46, 153,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 29.847, 203.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 153, 159) }
```

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

```
.background{ background-color: rgb(46, 153,  
159) }
```

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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