

Converting Colors

CIELCh(58, 30.026, 196.751)

Have a look what the booklet for
CIELCh(58, 30.026, 196.751)
contains.

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Color

CIELCh(58, 30.075, 196.749)

Conversions

Conversions Part 1

Format	Color
Hex	319A9A
RGB	49, 154, 154
RGB Percent	19%, 60%, 60%
CMY	0.8060, 0.3977, 0.3977
CMYK	0.68, 0.00, 0.00, 0.40
HSL	180°, 51%, 40%
HSV	180°, 68%, 60%
XYZ	18.5768, 25.9610, 34.4279
YIQ	122.6050, -62.5800, -22.2600

Conversions

Conversions Part 2

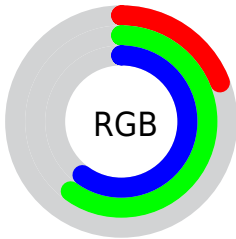
Format	Color
R_{YB}	49, 102, 154
Decimal	3250842
CIE _{Lab}	58.00, -28.80, -8.67
CIE _{LCh}	58, 30.075, 196.749
Yxy	25.9610, 0.2353, 0.3288
Android (android.graphics.Color)	4281440922 (0xFF319A9A)
YUV	122.6050, 15.4777, -64.5516
Hunter-Lab	50.9519, -24.0859, -4.3955

Details

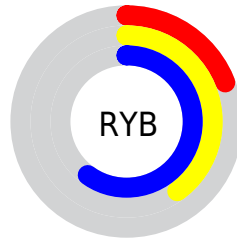
The CIELCh color **58, 30.075, 196.749** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **37, 49.670, 29.289**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 30.430, 196.224**, and **39, 25.413, 197.818** is the 20% darker color. If you saturate the color by 10%, you get **58, 32.103, 196.576**, and if you desaturate by 10%, it is **58, 27.329, 196.982**.

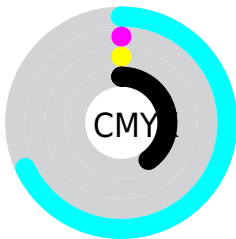
Distribution



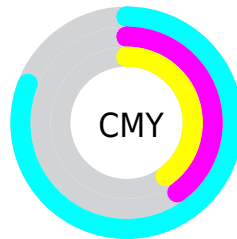
- Red (19%)
- Green (60%)
- Blue (60%)



- Red (19%)
- Yellow (40%)
- Blue (60%)



- Cyan (68%)
- Magenta (0%)
- Yellow (0%)
- Black (40%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 30.075, 196.749 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, 30.075, 196.749 by changing the saturation by 10% instead.

 58, 30.075,
196.749

 58, 30.075,
196.749

 100, 30.075,
196.749

 48, 30.075,
196.749


 78, 30.075,
196.749

 38, 30.075,
196.749

 88, 30.075,
196.749

 28, 30.075,
196.749

 98, 30.075,
196.749

 18, 30.075,
196.749

 8, 30.075, 196.749

 0, 30.075, 196.749

■ 58, 30.075,
196.749

■ 58, 30.075,
196.749

■ 58, 32.103,
196.576

■ 58, 27.329,
196.982

■ 57, 33.431,
196.465

■ 59, 23.887,
197.280

■ 57, 34.178,
196.403

■ 60, 19.804,
197.639

■ 57, 34.323,
196.391

■ 60, 15.154,
198.057

■ 61, 10.026,
198.533

■ 63, 4.509, 199.092

■ 64, 1.308, 19.183

■ 65, 7.346, 20.035

Harmonies

Complementary

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



58, 30.075, 196.749



37, 49.670, 29.289

Rectangle

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



58, 30.075, 196.749



58, 30.075, 246.749



58, 30.075, 16.749



58, 30.075, 66.749

Sweetspot

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



58, 30.075, 196.748



77, 13.803, 198.404



56, 67.137, 138.516



40, 9.315, 198.280



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



58, 30.075, 196.748



73, 39.745, 196.516



42, 33.482, 270.151



32, 3.249, 199.002



53, 32.118, 196.391



3, 3.595, 199.425

Inverse Universe

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



40, 66.135, 327.659



49, 90.054, 328.026



48, 40.462, 67.001



30, 5.940, 324.914



33, 74.067, 328.234



1, 6.386, 324.440

Previews

White Background



This preview shows how the CIELCh color 58, 30.075, 196.749 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, 30.075, 196.749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

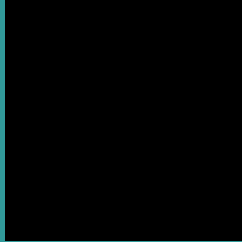
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 30.075, 196.749

Background



This preview shows how black text looks on a background with the CIELCh color 58, 30.075, 196.749.

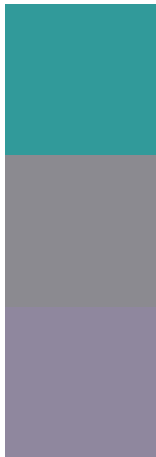


This preview shows how white text looks on a background with the CIELCh color 58, 30.075, 196.749.

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, 30.230, 196.736

Protanopia
58, 3.447, 297.000

Deuteranopia
58, 13.497, 304.387



Tritanopia
58, 28.086, 211.305

Trichromacy



Original Color
58, 30.230, 196.736



Protanomaly
57, 13.643, 205.419



Deuteranomaly
57, 13.779, 234.170



Tritanomaly
58, 28.732, 204.990

Monochromacy



Original Color
58, 30.230, 196.736



Achromatopsia
51, 0.007, 296.813



Achromatomaly
53, 13.501, 198.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 30.075, 196.749 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, 154, 154)` looks like.

```
.text, #text, p{  
    color:rgb(49, 154, 154)  
}
```

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, 154, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 154, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 30.075, 196.749 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, 154, 154) }
```

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

```
.border{ border-color:rgb(49, 154, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 154, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 154, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 154, 154);  
box-shadow:4px 4px 4px 4px rgb(49, 154,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 30.075, 196.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 154, 154) }
```

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

```
.background{ background-color: rgb(49, 154,  
154) }
```

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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