

Converting Colors

CIELCh(58, 31.605, 188.412)

Have a look what the booklet for
CIELCh(58, 31.605, 188.412)
contains.

CIELCh(58, 31.603, 188.210)	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, 31.603, 188.210)

Conversions

Conversions Part 1

Format	Color
Hex	319A92
RGB	49, 154, 146
RGB Percent	19%, 60%, 57%
CMY	0.8062, 0.3949, 0.4263
CMYK	0.68, 0.00, 0.05, 0.39
HSL	175°, 51%, 40%
HSV	175°, 68%, 61%
XYZ	18.1045, 25.9610, 31.3740
YIQ	121.6930, -60.0120, -24.7480

Conversions

Conversions Part 2

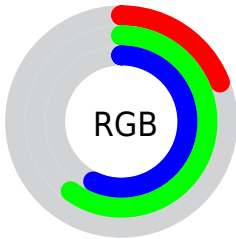
Format	Color
R_{YB}	49, 104, 154
Decimal	3250834
CIE _{Lab}	58.00, -31.28, -4.51
CIE _{LCh}	58, 31.603, 188.210
Y _{xy}	25.9610, 0.2400, 0.3441
Android (android.graphics.Color)	4281440914 (0xFF319A92)
YUV	121.6930, 11.9834, -63.7518
Hunter-Lab	50.9519, -25.7403, -0.8419

Details

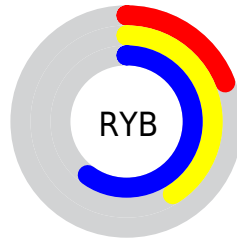
The CIELCh color **58, 31.603, 188.210** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **37, 48.301, 24.063**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 31.563, 188.269**, and **38, 26.807, 188.213** is the 20% darker color. If you saturate the color by 10%, you get **58, 33.941, 187.421**, and if you desaturate by 10%, it is **58, 28.555, 188.961**.

Distribution



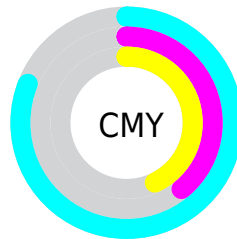
- Red (19%)
- Green (60%)
- Blue (57%)



- Red (19%)
- Yellow (41%)
- Blue (60%)



- Cyan (68%)
- Magenta (0%)
- Yellow (5%)
- Black (39%)





- Cyan (81%)
- Magenta (39%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 31.603, 188.210 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, 31.603, 188.210 by changing the saturation by 10% instead.


 58, 31.603,
188.210


 58, 31.603,
188.210


 100, 31.603,
188.210


 48, 31.603,
188.210


 78, 31.603,
188.210

 38, 31.603,
188.210

 88, 31.603,
188.210

 28, 31.603,
188.210

 98, 31.603,
188.210

 18, 31.603,
188.210

 8, 31.603, 188.210

 0, 31.603, 188.210

■ 58, 31.603,
188.210

■ 58, 31.603,
188.210

■ 58, 33.941,
187.421

■ 58, 28.555,
188.961

■ 57, 35.578,
186.583

■ 59, 24.830,
189.691

■ 57, 36.632,
185.692

■ 60, 20.493,
190.411

■ 57, 36.828,
185.514

■ 61, 15.628,
191.127

■ 62, 10.328,
191.849

■ 63, 4.687, 192.610

■ 64, 1.207, 12.853

■ 65, 7.277, 13.869

Harmonies

Complementary

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



58, 31.603, 188.210



37, 48.301, 24.063

Rectangle

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



58, 31.603, 188.210



58, 31.603, 238.210



58, 31.603, 8.210



58, 31.603, 58.210

Sweetspot

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



58, 31.603, 188.209



78, 14.185, 191.674



56, 66.304, 137.163



41, 9.685, 191.484



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



58, 31.603, 188.209



74, 42.581, 186.955



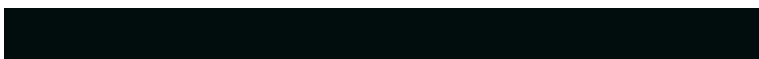
45, 29.957, 259.999



32, 3.287, 192.509



52, 34.323, 185.598



3, 3.629, 192.383

Inverse Universe

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



37, 48.301, 24.063



44, 72.156, 29.880



46, 40.847, 59.160



30, 3.451, 13.720



28, 63.619, 35.933



1, 3.622, 13.184

Previews

White Background



This preview shows how the CIELCh color 58, 31.603, 188.210 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, 31.603, 188.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

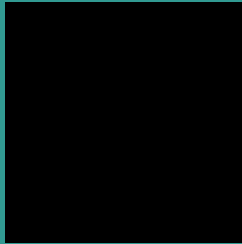
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 31.603, 188.210

Background



This preview shows how black text looks on a background with the CIELCh color 58, 31.603, 188.210.



This preview shows how white text looks on a background with the CIELCh color 58, 31.603, 188.210.

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, 31.603, 188.210

Protanopia

58, 1.303, 44.984

Deuteranopia

58, 10.084, 315.754



Tritanopia
58, 27.426, 211.706

Trichromacy



Original Color
58, 31.603, 188.210



Protanomaly
57, 13.492, 188.341



Deuteranomaly
57, 11.712, 218.499



Tritanomaly
58, 28.365, 202.755

Monochromacy



Original Color
58, 31.603, 188.210



Achromatopsia
51, 0.007, 296.813



Achromatomaly
53, 14.123, 190.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 31.603, 188.210 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(49, 154, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 154, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 31.603, 188.210 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, 146) }
```

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

```
.border{ border-color:rgb(49, 154, 146) }
```

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, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 154, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 154, 146);  
box-shadow:4px 4px 4px 4px rgb(49, 154,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 31.603, 188.210 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, 146) }
```

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

```
.background{ background-color: rgb(49, 154,  
146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor