

Converting Colors

CIE LCh(58, 20.156, 204.195)

Have a look what the booklet for
CIELCh(58, 20.156, 204.195)
contains.

CIELCh(58, 20.133, 204.160)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(58, 20.133, 204.160)

Conversions

Conversions Part 1

Format	Color
Hex	599599
RGB	89, 149, 153
RGB Percent	35%, 58%, 60%
CMY	0.6506, 0.4153, 0.3996
CMYK	0.42, 0.03, 0.00, 0.40
HSL	184°, 26%, 47%
HSV	184°, 42%, 60%
XYZ	20.6528, 25.9610, 34.1053
YIQ	131.5160, -37.0440, -11.4760

Conversions

Conversions Part 2

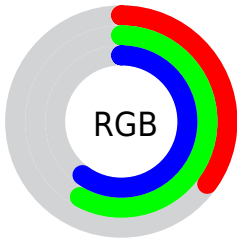
Format	Color
R_{YB}	89, 120, 153
Decimal	5871001
CIE _{Lab}	58.00, -18.37, -8.24
CIE _{LCh}	58, 20.133, 204.160
Yxy	25.9610, 0.2559, 0.3216
Android (android.graphics.Color)	4284061081 (0xFF599599)
YUV	131.5160, 10.5916, -37.2865
Hunter-Lab	50.9519, -16.8130, -4.0202

Details

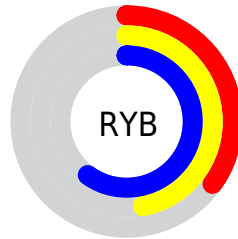
The CIELCh color **58, 20.133, 204.160** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **46, 27.200, 27.861**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 20.187, 204.114**, and **38, 20.170, 204.095** is the 20% darker color. If you saturate the color by 10%, you get **57, 23.699, 204.218**, and if you desaturate by 10%, it is **59, 15.996, 204.218**.

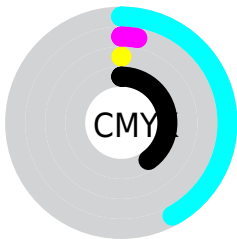
Distribution



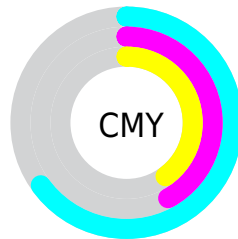
- Red (35%)
- Green (58%)
- Blue (60%)



- Red (35%)
- Yellow (47%)
- Blue (60%)



- Cyan (42%)
- Magenta (3%)
- Yellow (0%)
- Black (40%)





- Cyan (65%)
- Magenta (42%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 20.133, 204.160 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, 20.133, 204.160 by changing the saturation by 10% instead.


 58, 20.133,
204.160


 58, 20.133,
204.160


 100, 20.133,
204.160


 48, 20.133,
204.160


 78, 20.133,
204.160


 38, 20.133,
204.160

 88, 20.133,
204.160

 28, 20.133,
204.160

 98, 20.133,
204.160

 18, 20.133,
204.160

 8, 20.133, 204.160

 0, 20.133, 204.160

■ 58, 20.133,
204.160

■ 58, 20.133,
204.160

■ 57, 23.699,
204.218

■ 59, 15.996,
204.218

■ 56, 26.622,
204.420

■ 60, 11.369,
204.385

■ 56, 28.856,
204.784

■ 62, 6.340, 204.655

■ 55, 30.386,
205.328

■ 63, 0.990, 205.348

■ 65, 4.603, 25.144

■ 54, 31.242,
206.070

■ 66, 10.375, 25.595

■ 54, 31.618,
206.782

■ 68, 16.270, 26.036

■ 70, 22.242, 26.488

■ 72, 28.256, 26.950

Harmonies

Complementary

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



58, 20.133, 204.160



46, 27.200, 27.861

Rectangle

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



58, 20.133, 204.160



58, 20.133, 254.160



58, 20.133, 24.160



58, 20.133, 74.160

Sweetspot

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



58, 20.133, 204.157



78, 8.610, 204.608



58, 42.315, 142.637



41, 5.975, 204.547



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, 20.133, 204.157



73, 28.440, 204.208



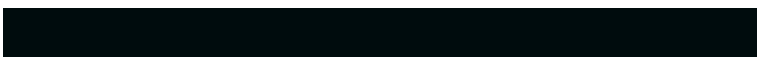
49, 22.328, 267.808



32, 3.055, 204.747



50, 29.672, 206.695



3, 3.359, 205.670

Inverse Universe

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



47, 41.867, 328.454



57, 60.999, 328.927



54, 24.192, 75.295



30, 5.692, 326.647



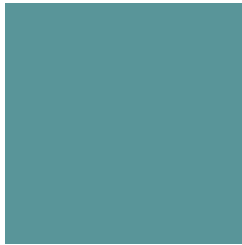
32, 70.603, 330.822



1, 6.087, 326.376

Previews

White Background



This preview shows how the CIELCh color 58, 20.133, 204.160 looks on a white background.

Color Contrast Check

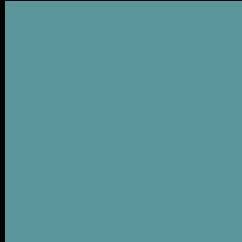
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.133, 204.160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

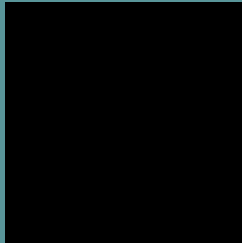
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 20.133, 204.160

Background



This preview shows how black text looks on a background with the CIELCh color 58, 20.133, 204.160.

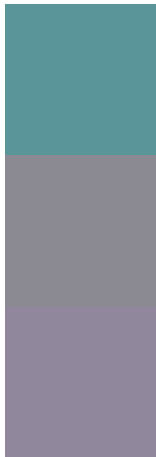


This preview shows how white text looks on a background with the CIELCh color 58, 20.133, 204.160.

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, 20.133, 204.160

Protanopia
58, 4.579, 295.510

Deuteranopia
58, 12.489, 307.182



Tritanopia
58, 19.661, 218.325

Trichromacy



Original Color
58, 20.133, 204.160

Protanomaly
58, 8.583, 226.570

Deuteranomaly
57, 10.183, 256.425

Tritanomaly
58, 19.670, 212.974

Monochromacy



Original Color
58, 20.133, 204.160

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 8.276, 206.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 20.133, 204.160 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(89, 149, 153)` looks like.

```
.text, #text, p{  
    color:rgb(89, 149, 153)  
}
```

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(89, 149, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 149, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 20.133, 204.160 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(89, 149, 153) }
```

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

```
.border{ border-color:rgb(89, 149, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 149, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 149, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 149, 153);  
box-shadow:4px 4px 4px 4px rgb(89, 149,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 20.133, 204.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 149, 153) }
```

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

```
.background{ background-color: rgb(89, 149,  
153) }
```

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