

Converting Colors

CIE LCh(58, 20.034, 199.072)

Have a look what the booklet for
CIELCh(58, 20.034, 199.072)
contains.

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Color

CIELCh(58, 20.010, 199.230)

Conversions

Conversions Part 1

Format	Color
Hex	5A9596
RGB	90, 149, 150
RGB Percent	35%, 58%, 59%
CMY	0.6462, 0.4148, 0.4109
CMYK	0.40, 0.01, 0.00, 0.41
HSL	181°, 25%, 47%
HSV	181°, 40%, 59%
XYZ	20.5449, 25.9610, 32.8777
YIQ	131.4730, -35.4850, -12.1970

Conversions

Conversions Part 2

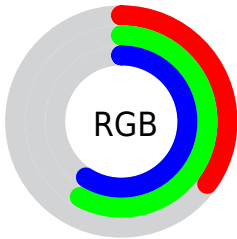
Format	Color
R _Y B	90, 120, 150
Decimal	5936534
CIE Lab	58.00, -18.89, -6.59
CIE LCh	58, 20.010, 199.230
Yxy	25.9610, 0.2588, 0.3270
Android (android.graphics.Color)	4284126614 (0xFF5A9596)
YUV	131.4730, 9.1338, -36.3718
Hunter-Lab	50.9519, -17.1907, -2.5917

Details

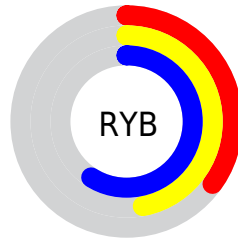
The CIELCh color **58, 20.010, 199.230** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **45, 26.425, 24.286**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 19.992, 199.508**, and **38, 20.035, 198.744** is the 20% darker color. If you saturate the color by 10%, you get **57, 23.820, 198.975**, and if you desaturate by 10%, it is **59, 15.635, 199.553**.

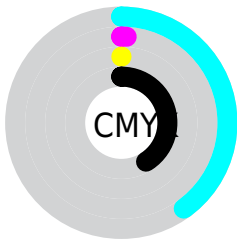
Distribution



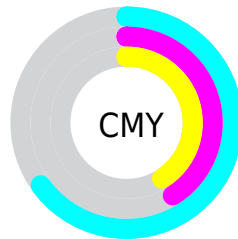
- Red (35%)
- Green (58%)
- Blue (59%)



- Red (35%)
- Yellow (47%)
- Blue (59%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (41%)





- Cyan (65%)
- Magenta (41%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 20.010, 199.230 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, 20.010, 199.230 by changing the saturation by 10% instead.


 58, 20.010,
199.230


 58, 20.010,
199.230


 100, 20.010,
199.230


 48, 20.010,
199.230


 78, 20.010,
199.230

 38, 20.010,
199.230

 88, 20.010,
199.230

 28, 20.010,
199.230

 98, 20.010,
199.230

 18, 20.010,
199.230

 8, 20.010, 199.230

 0, 20.010, 199.230

■ 58, 20.010,
199.230

■ 58, 20.010,
199.230

■ 57, 23.820,
198.975

■ 59, 15.635,
199.553

■ 57, 26.993,
198.801

■ 60, 10.777,
199.948

■ 56, 29.480,
198.714

■ 61, 5.526, 200.421

■ 56, 31.265,
198.715

■ 62, 0.036, 8.346

■ 56, 32.372,
198.805

■ 64, 5.828, 21.252

■ 55, 32.995,
198.961

■ 65, 11.784, 21.828

■ 55, 32.999,
198.962

■ 67, 17.847, 22.396

■ 68, 23.971, 22.970

■ 70, 30.118, 23.546

Harmonies

Complementary

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



58, 20.010, 199.230



45, 26.425, 24.286

Rectangle

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



58, 20.010, 199.230



58, 20.010, 249.230



58, 20.010, 19.230



58, 20.010, 69.230

Sweetspot

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



58, 20.010, 199.227



77, 8.249, 200.302



57, 41.236, 141.510



41, 5.498, 200.244



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, 20.010, 199.227



73, 28.623, 198.995



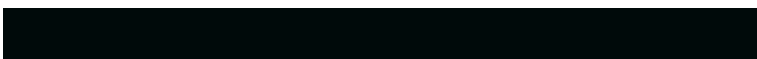
49, 19.833, 262.068



31, 3.106, 200.462



51, 30.975, 198.942



2, 2.781, 200.830

Inverse Universe

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



47, 40.711, 326.991



57, 60.009, 327.422



53, 22.158, 70.563



29, 5.710, 325.357



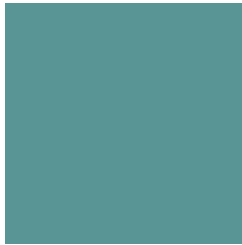
32, 72.166, 328.887



1, 4.967, 324.883

Previews

White Background



This preview shows how the CIELCh color 58, 20.010, 199.230 looks on a white background.

Color Contrast Check

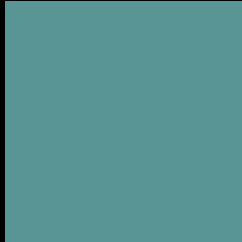
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.010, 199.230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

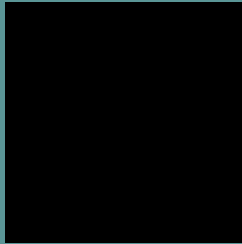
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 20.010, 199.230

Background



This preview shows how black text looks on a background with the CIELCh color 58, 20.010, 199.230.



This preview shows how white text looks on a background with the CIELCh color 58, 20.010, 199.230.

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, 20.010, 199.230

Protanopia

58, 2.964, 305.645

Deuteranopia

58, 11.124, 313.324



Tritanopia
58, 19.152, 218.934

Trichromacy



Original Color
58, 20.010, 199.230

Protanomaly
58, 7.716, 216.008

Deuteranomaly
58, 8.441, 253.406

Tritanomaly
58, 19.087, 211.693

Monochromacy



Original Color
58, 20.010, 199.230

Achromatopsia
55, 0.007, 296.813

Achromatomaly
56, 7.900, 202.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 20.010, 199.230 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(90, 149, 150)` looks like.

```
.text, #text, p{  
    color:rgb(90, 149, 150)  
}
```

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(90, 149, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 149, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 20.010, 199.230 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(90, 149, 150) }
```

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

```
.border{ border-color:rgb(90, 149, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 149, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 149, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 149, 150);  
box-shadow:4px 4px 4px 4px rgb(90, 149,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 20.010, 199.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 149, 150) }
```

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

```
.background{ background-color: rgb(90, 149,  
150) }
```

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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