

Converting Colors

CIELCh(58, 10.452, 200.572)

Have a look what the booklet for
CIELCh(58, 10.452, 200.572)
contains.

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Color

CIELCh(58, 10.684, 198.425)

Conversions

Conversions Part 1

Format	Color
Hex	749191
RGB	116, 145, 145
RGB Percent	45%, 57%, 57%
CMY	0.5455, 0.4318, 0.4318
CMYK	0.20, 0.00, 0.00, 0.43
HSL	180°, 12%, 51%
HSV	180°, 20%, 57%
XYZ	22.3967, 25.9610, 30.5715
YIQ	136.3290, -17.2840, -6.1480

Conversions

Conversions Part 2

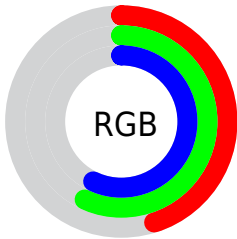
Format	Color
R_{YB}	116, 131, 145
Decimal	7639441
CIE _{Lab}	58.00, -10.14, -3.38
CIE _{LCh}	58, 10.684, 198.425
Yxy	25.9610, 0.2838, 0.3289
Android (android.graphics.Color)	4285829521 (0xFF749191)
YUV	136.3290, 4.2748, -17.8285
Hunter-Lab	50.9519, -10.7036, 0.0920

Details

The CIELCh color `58, 10.684, 198.425` is a dark color, and the websafe version is hex `669999`. A complement of this color would be `52, 12.137, 20.776`, and the grayscale version is `57, 0.007, 296.813`.

A 20% lighter version of the original color is `78, 10.565, 198.655`, and `38, 10.824, 198.044` is the 20% darker color. If you saturate the color by 10%, you get `57, 15.486, 197.957`, and if you desaturate by 10%, it is `59, 5.497, 198.950`.

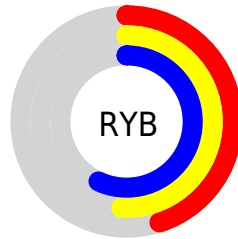
Distribution



Red (45%)

Green (57%)

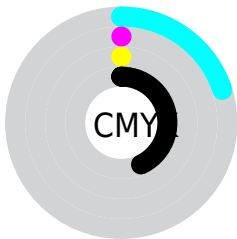
Blue (57%)



Red (45%)

Yellow (51%)

Blue (57%)

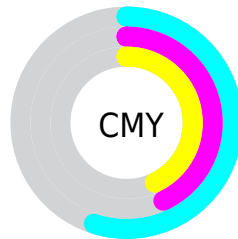


Cyan (20%)

Magenta (0%)

Yellow (0%)

Black (43%)



Cyan (55%)


Magenta (43%)


Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 10.684, 198.425 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, 10.684, 198.425 by changing the saturation by 10% instead.

 58, 10.684,
198.425


 58, 10.684,
198.425


 100, 10.684,
198.425

 48, 10.684,
198.425


 78, 10.684,
198.425

 38, 10.684,
198.425

 88, 10.684,
198.425

 28, 10.684,
198.425

 98, 10.684,
198.425

 18, 10.684,
198.425

 8, 10.684, 198.425

 0, 10.684, 198.425

■ 58, 10.684,
198.425

■ 58, 10.684,
198.425

■ 57, 15.486,
197.957

■ 59, 5.497, 198.950

■ 56, 19.815,
197.553

■ 60, 0.011, 245.576

■ 61, 5.708, 19.882

■ 56, 23.592,
197.207

■ 63, 11.582, 20.502

■ 55, 26.747,
196.922

■ 64, 17.558, 21.111

■ 66, 23.588, 21.723

■ 55, 29.236,
196.700

■ 67, 29.637, 22.337

■ 55, 31.044,
196.540

■ 69, 35.676, 22.948

■ 71, 41.684, 23.554

■ 54, 32.196,
196.439

■ 54, 32.891,

Harmonies

Complementary

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



58, 10.684, 198.425



52, 12.137, 20.776

Rectangle

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



58, 10.684, 198.425



58, 10.684, 248.425



58, 10.684, 18.425



58, 10.684, 68.425

Sweetspot

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



58, 10.685, 198.419



76, 4.123, 199.201



57, 20.078, 142.791



39, 2.723, 199.161



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



58, 10.685, 198.419



73, 15.665, 198.205



54, 9.640, 256.348



30, 3.069, 199.001



51, 31.269, 196.378



2, 2.121, 199.417

Inverse Universe

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



52, 12.137, 20.776



64, 18.362, 21.207



55, 10.201, 71.222



28, 3.246, 19.884



27, 64.130, 38.796



0, 2.121, 19.400

Previews

White Background



This preview shows how the CIELCh color 58, 10.684, 198.425 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, 10.684, 198.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

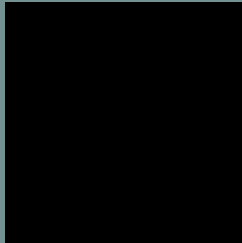
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 10.684, 198.425

Background



This preview shows how black text looks on a background with the CIELCh color 58, 10.684, 198.425.

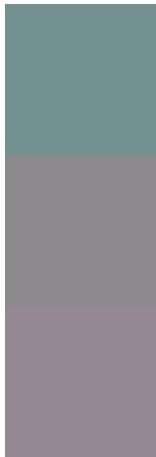


This preview shows how white text looks on a background with the CIELCh color 58, 10.684, 198.425.

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, 10.684, 198.425

Protanopia

58, 2.086, 324.459

Deuteranopia

58, 8.758, 329.128



Tritanopia
58, 11.081, 236.967

Trichromacy



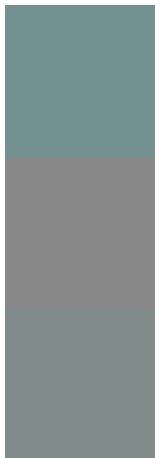
Original Color
58, 10.684, 198.425

Protanomaly
58, 3.483, 208.604

Deuteranomaly
58, 4.044, 279.777

Tritanomaly
58, 10.443, 221.107

Monochromacy



Original Color
58, 10.684, 198.425

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 3.844, 199.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 10.684, 198.425 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(116, 145, 145)` looks like.

```
.text, #text, p{  
    color:rgb(116, 145, 145)  
}
```

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(116, 145, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 145, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 10.684, 198.425 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(116, 145, 145) }
```

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

```
.border{ border-color:rgb(116, 145, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 145, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 145, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 145, 145);  
box-shadow:4px 4px 4px 4px rgb(116, 145,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 10.684, 198.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 145, 145) }
```

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

```
.background{ background-color: rgb(116,  
145, 145) }
```

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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