

Converting Colors

CIELCh(58, 16.437, 207.891)

Have a look what the booklet for
CIELCh(58, 16.437, 207.891)
contains.

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Color

CIELCh(58, 16.435, 208.001)

Conversions

Conversions Part 1

Format	Color
Hex	649398
RGB	100, 147, 152
RGB Percent	39%, 58%, 60%
CMY	0.6067, 0.4224, 0.4028
CMYK	0.34, 0.03, 0.00, 0.40
HSL	186°, 21%, 50%
HSV	186°, 34%, 60%
XYZ	21.4583, 25.9610, 33.7120
YIQ	133.5170, -29.6170, -8.4090

Conversions

Conversions Part 2

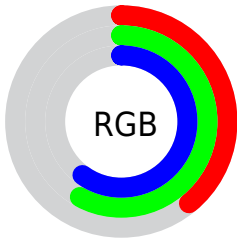
Format	Color
R_{YB}	100, 125, 152
Decimal	6591384
CIE _{Lab}	58.00, -14.51, -7.72
CIE _{LCh}	58, 16.435, 208.001
Yxy	25.9610, 0.2645, 0.3200
Android (android.graphics.Color)	4284781464 (0xFF649398)
YUV	133.5170, 9.1121, -29.3944
Hunter-Lab	50.9519, -13.9910, -3.5625

Details

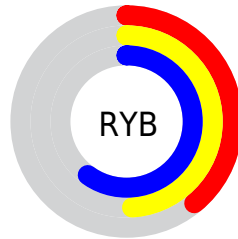
The CIELCh color **58, 16.435, 208.001** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **49, 20.903, 29.771**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 16.348, 207.755**, and **38, 16.463, 208.342** is the 20% darker color. If you saturate the color by 10%, you get **57, 20.310, 208.179**, and if you desaturate by 10%, it is **59, 12.069, 207.957**.

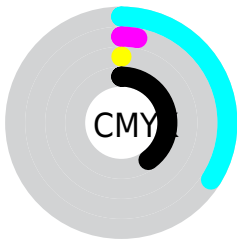
Distribution



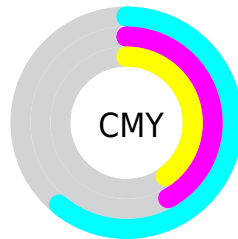
- Red (39%)
- Green (58%)
- Blue (60%)



- Red (39%)
- Yellow (49%)
- Blue (60%)



- Cyan (34%)
- Magenta (3%)
- Yellow (0%)
- Black (40%)





- Cyan (61%)
- Magenta (42%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 16.435, 208.001 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, 16.435, 208.001 by changing the saturation by 10% instead.


 58, 16.435,
208.001


 58, 16.435,
208.001


 100, 16.435,
208.001


 48, 16.435,
208.001


 78, 16.435,
208.001

 38, 16.435,
208.001

 88, 16.435,
208.001

 28, 16.435,
208.001

 98, 16.435,
208.001

 18, 16.435,
208.001

 8, 16.435, 208.001

 0, 16.435, 208.001

■ 58, 16.435,
208.001

■ 58, 16.435,
208.001

■ 57, 20.310,
208.179

■ 59, 12.069,
207.957

■ 56, 23.616,
208.530

■ 61, 7.295, 208.043

■ 62, 2.194, 208.339

■ 55, 26.286,
209.080

■ 64, 3.161, 28.208

■ 54, 28.278,
209.865

■ 66, 8.705, 28.573

■ 53, 29.588,
210.919

■ 67, 14.384, 28.908

■ 69, 20.154, 29.260

■ 53, 30.256,
212.272

■ 71, 25.977, 29.627

■ 52, 30.506,
213.134

■ 73, 31.827, 30.006

Harmonies

Complementary

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



58, 16.435, 208.001



49, 20.903, 29.771

Rectangle

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



58, 16.435, 208.001



58, 16.435, 258.001



58, 16.435, 28.001



58, 16.435, 78.001

Sweetspot

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



58, 16.435, 207.997



78, 6.479, 208.116



58, 33.825, 144.310



41, 4.394, 208.089



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, 16.435, 207.997



73, 23.711, 208.123



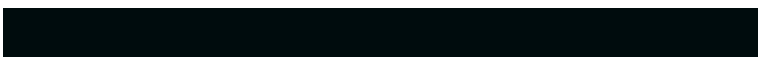
51, 18.915, 269.339



32, 2.964, 208.139



48, 28.741, 212.998



3, 3.253, 209.265

Inverse Universe

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



49, 33.535, 329.089



61, 49.686, 329.524



56, 19.815, 79.496



30, 5.561, 327.648



32, 68.802, 332.368



1, 5.935, 327.463

Previews

White Background



This preview shows how the CIELCh color 58, 16.435, 208.001 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, 16.435, 208.001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

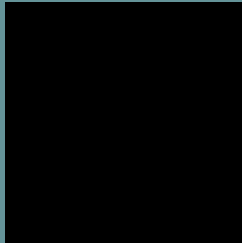
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 16.435, 208.001

Background



This preview shows how black text looks on a background with the CIELCh color 58, 16.435, 208.001.

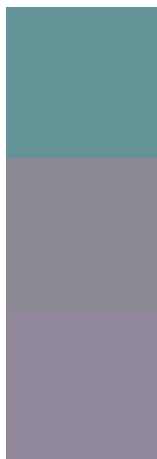


This preview shows how white text looks on a background with the CIELCh color 58, 16.435, 208.001.

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, 16.435, 208.001

Protanopia

58, 5.147, 295.033

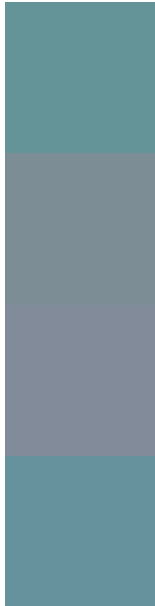
Deuteranopia

58, 12.057, 309.633



Tritanopia
58, 16.250, 223.195

Trichromacy



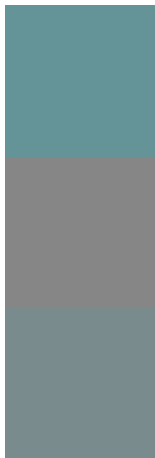
Original Color
58, 16.435, 208.001

Protanomaly
58, 7.376, 237.248

Deuteranomaly
58, 9.211, 267.674

Tritanomaly
58, 16.231, 218.780

Monochromacy



Original Color
58, 16.435, 208.001

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 6.488, 209.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 16.435, 208.001 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(100, 147, 152)` looks like.

```
.text, #text, p{  
    color:rgb(100, 147, 152)  
}
```

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(100, 147, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 147, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 16.435, 208.001 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(100, 147, 152) }
```

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

```
.border{ border-color:rgb(100, 147, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 147, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 147, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 147, 152);  
box-shadow:4px 4px 4px 4px rgb(100, 147,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 16.435, 208.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 147, 152) }
```

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

```
.background{ background-color: rgb(100,  
147, 152) }
```

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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