

Converting Colors

CIELCh(58, 29.027, 221.810)

Have a look what the booklet for
CIELCh(58, 29.027, 221.810)
contains.

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Color

CIELCh(58, 28.982, 221.879)

Conversions

Conversions Part 1

Format	Color
Hex	3497AC
RGB	52, 151, 172
RGB Percent	20%, 59%, 67%
CMY	0.7980, 0.4064, 0.3240
CMYK	0.70, 0.12, 0.00, 0.32
HSL	190°, 54%, 44%
HSV	190°, 70%, 68%
XYZ	19.9983, 25.9610, 43.1750
YIQ	123.7930, -65.7450, -14.4570

Conversions

Conversions Part 2

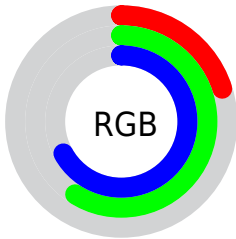
Format	Color
R_{YB}	52, 106, 172
Decimal	3446700
CIE _{Lab}	58.00, -21.58, -19.35
CIE _{LCh}	58, 28.982, 221.879
Yxy	25.9610, 0.2244, 0.2913
Android (android.graphics.Color)	4281636780 (0xFF3497AC)
YUV	123.7930, 23.7661, -62.9625
Hunter-Lab	50.9519, -19.1057, -14.5740




Details

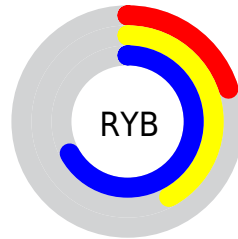
The CIELCh color **58, 28.982, 221.879** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **44, 51.285, 39.540**, and the grayscale version is **52, 0.007, 296.813**.




A 20% lighter version of the original color is **78, 28.769, 222.123**, and **39, 24.935, 226.947** is the 20% darker color. If you saturate the color by 10%, you get **57, 30.733, 223.975**, and if you desaturate by 10%, it is **59, 26.540, 220.245**.

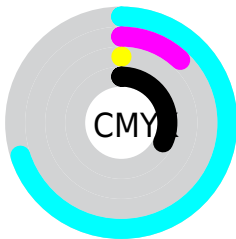
Distribution







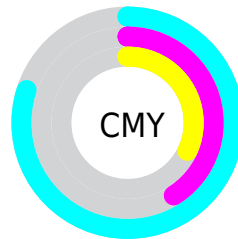
-  Red (20%)
-  Green (59%)
-  Blue (67%)






-  Red (20%)
-  Yellow (42%)
-  Blue (67%)



-  Cyan (70%)
-  Magenta (12%)
-  Yellow (0%)
-  Black (32%)





-  Cyan (80%)
-  Magenta (41%)
-  Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 28.982, 221.879 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, 28.982, 221.879 by changing the saturation by 10% instead.


 58, 28.982,
221.879


 58, 28.982,
221.879


 100, 28.982,
221.879


 48, 28.982,
221.879


 78, 28.982,
221.879

 38, 28.982,
221.879

 88, 28.982,
221.879

 28, 28.982,
221.879

 98, 28.982,
221.879

 18, 28.982,
221.879

 8, 28.982, 221.879

 0, 28.982, 221.879

■ 58, 28.982,
221.879

■ 58, 28.982,
221.879

■ 57, 30.733,
223.975

■ 59, 26.540,
220.245

■ 56, 31.836,
226.603

■ 61, 23.424,
219.003

■ 55, 32.484,
229.642

■ 63, 19.685,
218.083

■ 64, 15.397,
217.425

■ 66, 10.643,
216.983

■ 68, 5.508, 216.733

■ 70, 0.070, 223.558

■ 73, 5.604, 36.329

Harmonies

Complementary

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



58, 28.982, 221.879



44, 51.285, 39.540

Rectangle

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



58, 28.982, 221.879



58, 28.982, 271.879



58, 28.982, 41.879



58, 28.982, 91.879

Sweetspot

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



58, 28.981, 221.878



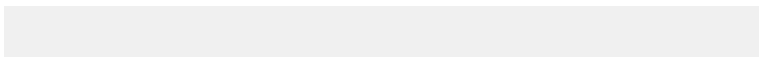
84, 13.712, 217.027



62, 68.212, 142.355



44, 9.189, 217.132



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



58, 28.981, 221.878



72, 38.236, 225.317



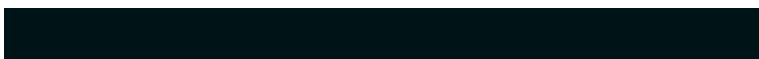
40, 49.247, 285.992



36, 3.102, 216.723



48, 29.383, 229.233



5, 6.493, 224.177

Inverse Universe

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



43, 65.939, 334.172



53, 88.808, 335.322



58, 48.284, 81.626



34, 5.843, 330.159



34, 68.228, 336.444



2, 11.710, 331.950

Previews

White Background



This preview shows how the CIELCh color 58, 28.982, 221.879 looks on a white background.

Color Contrast Check

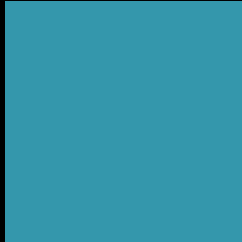
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.982, 221.879 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, 28.982, 221.879

Background



This preview shows how black text looks on a background with the CIELCh color 58, 28.982, 221.879.

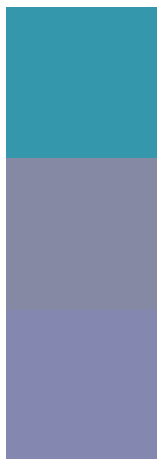


This preview shows how white text looks on a background with the CIELCh color 58, 28.982, 221.879.

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, 28.847, 222.012

Protanopia
58, 14.829, 287.712

Deuteranopia
58, 22.796, 289.325



Tritanopia
58, 29.465, 210.513

Trichromacy



Original Color
58, 28.847, 222.012



Protanomaly
57, 18.232, 247.642



Deuteranomaly
57, 22.103, 257.615



Tritanomaly
58, 29.072, 215.548

Monochromacy



Original Color
58, 28.847, 222.012



Achromatopsia
52, 0.007, 296.813



Achromatomaly
54, 13.443, 218.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 28.982, 221.879 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(52, 151, 172)` looks like.

```
.text, #text, p{  
    color:rgb(52, 151, 172)  
}
```

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(52, 151, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 151, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 28.982, 221.879 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(52, 151, 172) }
```

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

```
.border{ border-color:rgb(52, 151, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 151, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 151, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 151, 172);  
box-shadow:4px 4px 4px 4px rgb(52, 151,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 28.982, 221.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 151, 172) }
```

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

```
.background{ background-color: rgb(52, 151,  
172) }
```

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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