

Converting Colors

CIELCh(58, 33.095, 233.908)

Have a look what the booklet for
CIELCh(58, 33.095, 233.908)
contains.

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Color

CIELCh(58, 33.055, 233.631)

Conversions

Conversions Part 1

Format	Color
Hex	1E97B9
RGB	30, 151, 185
RGB Percent	12%, 59%, 73%
CMY	0.8813, 0.4074, 0.2740
CMYK	0.84, 0.18, 0.00, 0.27
HSL	193°, 72%, 42%
HSV	193°, 84%, 73%
XYZ	20.3999, 25.9610, 49.9051
YIQ	118.6970, -83.0300, -15.0780

Conversions

Conversions Part 2

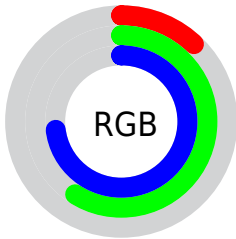
Format	Color
R_{YB}	30, 98, 185
Decimal	2004921
CIE _{Lab}	58.00, -19.60, -26.62
CIE _{LCh}	58, 33.055, 233.631
Yxy	25.9610, 0.2119, 0.2697
Android (android.graphics.Color)	4280195001 (0xFF1E97B9)
YUV	118.6970, 32.6874, -77.7873
Hunter-Lab	50.9519, -17.6987, -22.4055

Details

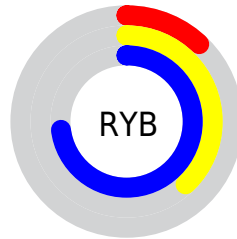
The CIELCh color **58, 33.055, 233.631** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **44, 65.256, 43.686**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 33.020, 233.916**, and **39, 27.654, 243.268** is the 20% darker color. If you saturate the color by 10%, you get **57, 34.309, 237.283**, and if you desaturate by 10%, it is **60, 31.241, 230.631**.

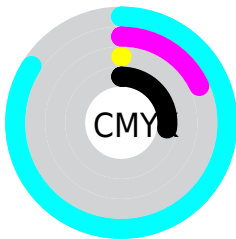
Distribution



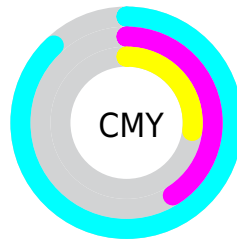
- Red (12%)
- Green (59%)
- Blue (73%)



- Red (12%)
- Yellow (38%)
- Blue (73%)



- Cyan (84%)
- Magenta (18%)
- Yellow (0%)
- Black (27%)





- Cyan (88%)
- Magenta (41%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 33.055, 233.631 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, 33.055, 233.631 by changing the saturation by 10% instead.


 58, 33.055,
233.631


 58, 33.055,
233.631


 100, 33.055,
233.631


 48, 33.055,
233.631


 78, 33.055,
233.631

 38, 33.055,
233.631

 88, 33.055,
233.631

 28, 33.055,
233.631

 98, 33.055,
233.631

 18, 33.055,
233.631

 8, 33.055, 233.631

 0, 33.055, 233.631

■ 58, 33.055,
233.631

■ 58, 33.055,
233.631

■ 57, 34.309,
237.283

■ 60, 31.241,
230.631

■ 56, 34.964,
239.820

■ 61, 28.786,
228.231

■ 63, 25.670,
226.348

■ 65, 21.925,
224.895

■ 67, 17.614,
223.792

■ 70, 12.816,
222.974

■ 72, 7.613, 222.393

■ 74, 2.084, 222.136

Harmonies

Complementary

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



58, 33.055, 233.631



44, 65.256, 43.686

Rectangle

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



58, 33.055, 233.631



58, 33.055, 283.631



58, 33.055, 53.631



58, 33.055, 103.631

Sweetspot

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



58, 33.054, 233.631



87, 16.621, 223.100



66, 79.339, 141.594



45, 11.201, 223.372



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



58, 33.054, 233.631



71, 42.556, 240.589



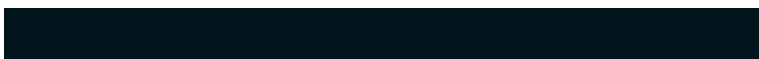
35, 68.373, 293.839



38, 3.174, 222.217



47, 30.680, 239.195



6, 8.516, 232.580

Inverse Universe

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



44, 74.076, 337.520



54, 92.839, 339.603



61, 60.216, 83.529



36, 5.931, 331.776



35, 67.574, 339.192



3, 15.106, 334.939

Previews

White Background



This preview shows how the CIE LCh color 58, 33.055, 233.631 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 CIE LCh color 58, 33.055, 233.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

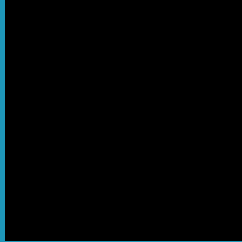
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 33.055, 233.631

Background



This preview shows how black text looks on a background with the CIELCh color 58, 33.055, 233.631.

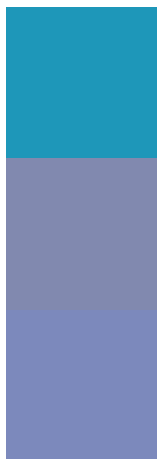


This preview shows how white text looks on a background with the CIELCh color 58, 33.055, 233.631.

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, 33.055, 233.631

Protanopia

58, 21.735, 285.407

Deuteranopia

58, 29.176, 285.156



Tritanopia
58, 33.195, 208.673

Trichromacy



Original Color
58, 33.055, 233.631



Protanomaly
57, 25.275, 255.841



Deuteranomaly
57, 29.147, 261.136



Tritanomaly
58, 32.634, 217.551

Monochromacy



Original Color
58, 33.055, 233.631



Achromatopsia
50, 0.007, 296.813



Achromatomaly
52, 16.327, 223.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 33.055, 233.631 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(30, 151, 185)` looks like.

```
.text, #text, p{  
    color:rgb(30, 151, 185)  
}
```

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(30, 151, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 151, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 33.055, 233.631 is called "border". The border property can be set on classes, ids or directly on the HTML element.

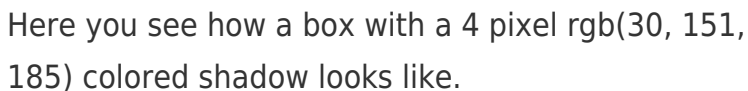
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(30, 151, 185) }
```

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

```
.border{ border-color:rgb(30, 151, 185) }
```

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



Here you see how a box with a 4 pixel `rgb(30, 151, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 151, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 151, 185);  
box-shadow:4px 4px 4px 4px rgb(30, 151,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 33.055, 233.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 151, 185) }
```

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

```
.background{ background-color: rgb(30, 151,  
185) }
```

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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