

Converting Colors

CIELCh(58, 33.904, 228.545)

Have a look what the booklet for
CIELCh(58, 33.904, 228.545)
contains.

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Color

CIELCh(58, 33.913, 228.885)

Conversions

Conversions Part 1

Format	Color
Hex	0298B7
RGB	2, 152, 183
RGB Percent	1%, 60%, 72%
CMY	0.9924, 0.4031, 0.2815
CMYK	0.99, 0.17, 0.00, 0.28
HSL	190°, 98%, 36%
HSV	190°, 99%, 72%
XYZ	19.8531, 25.9610, 48.8767
YIQ	110.6840, -99.3510, -22.1590

Conversions

Conversions Part 2

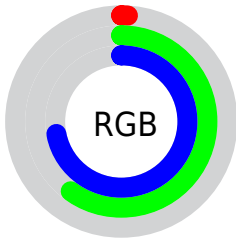
Format	Color
RYB	2, 84, 183
Decimal	170167
CIELab	58.00, -22.30, -25.55
CIELCh	58, 33.913, 228.885
Yxy	25.9610, 0.2097, 0.2742
Android (android.graphics.Color)	4278360247 (0xFF0298B7)
YUV	110.6840, 35.6518, -95.3159
Hunter-Lab	50.9519, -19.6144, -21.2088

Details

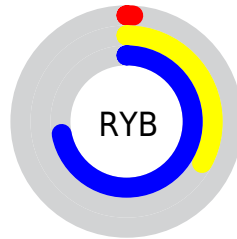
The CIELCh color **58, 33.913, 228.885** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **40, 77.567, 42.531**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 33.857, 229.447**, and **39, 26.921, 239.178** is the 20% darker color. If you saturate the color by 10%, you get **58, 33.978, 229.213**, and if you desaturate by 10%, it is **59, 33.248, 225.838**.

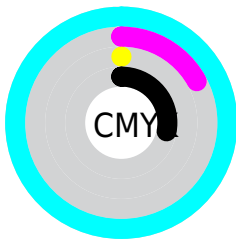
Distribution



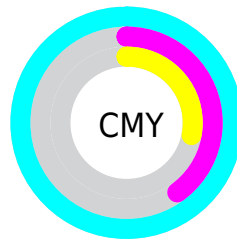
- Red (1%)
- Green (60%)
- Blue (72%)



- Red (1%)
- Yellow (33%)
- Blue (72%)



- Cyan (99%)
- Magenta (17%)
- Yellow (0%)
- Black (28%)





- Cyan (99%)
- Magenta (40%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 33.913, 228.885 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, 33.913, 228.885 by changing the saturation by 10% instead.


 58, 33.913,
228.885


 58, 33.913,
228.885


 100, 33.913,
228.885


 48, 33.913,
228.885


 78, 33.913,
228.885


 38, 33.913,
228.885

 88, 33.913,
228.885

 28, 33.913,
228.885

 98, 33.913,
228.885

 18, 33.913,
228.885

 8, 33.913, 228.885

 0, 33.913, 228.885

■ 58, 33.913,
228.885

■ 58, 33.913,
228.885

■ 58, 33.978,
229.213

■ 59, 33.248,
225.838

■ 60, 32.050,
223.290

■ 62, 30.155,
221.266

■ 63, 27.529,
219.696

■ 65, 24.190,
218.509

■ 67, 20.198,
217.636

■ 68, 15.632,
217.019

■ 70, 10.583,

216.612

■ 73, 5.138, 216.401

Harmonies

Complementary

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



58, 33.913, 228.885



40, 77.567, 42.531

Rectangle

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



58, 33.913, 228.885



58, 33.913, 278.885



58, 33.913, 48.885



58, 33.913, 98.885

Sweetspot

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



58, 33.912, 228.885



86, 19.869, 217.100



65, 88.836, 138.037



45, 13.440, 217.346



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, 33.912, 228.885



73, 41.243, 229.827



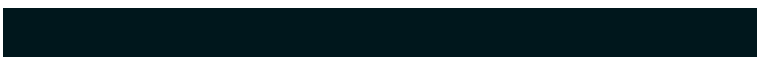
32, 75.388, 296.239



38, 3.257, 216.404



50, 30.104, 228.747



6, 8.627, 224.471

Inverse Universe

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



42, 78.794, 336.347



54, 95.537, 336.600



56, 64.072, 75.898



36, 6.138, 330.070



35, 70.034, 336.317



3, 15.823, 332.418

Previews

White Background



This preview shows how the CIE LCh color 58, 33.913, 228.885 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, 33.913, 228.885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

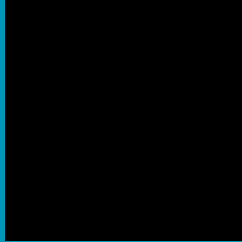
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 33.913, 228.885

Background



This preview shows how black text looks on a background with the CIELCh color 58, 33.913, 228.885.

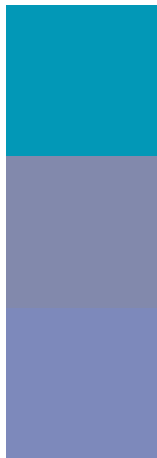


This preview shows how white text looks on a background with the CIELCh color 58, 33.913, 228.885.

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, 33.882, 228.920

Protanopia

58, 20.016, 285.497

Deuteranopia

58, 28.584, 285.530



Tritanopia
58, 33.195, 208.673

Trichromacy



Original Color
58, 33.882, 228.920



Protanomaly
57, 25.365, 246.740



Deuteranomaly
57, 29.574, 255.158



Tritanomaly
58, 32.959, 216.225

Monochromacy



Original Color
58, 33.882, 228.920



Achromatopsia
47, 0.006, 296.813



Achromatomaly
50, 19.009, 217.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 33.913, 228.885 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(2, 152, 183)` looks like.

```
.text, #text, p{  
    color:rgb(2, 152, 183)  
}
```

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(2, 152, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 152, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 33.913, 228.885 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(2, 152, 183) }
```

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

```
.border{ border-color:rgb(2, 152, 183) }
```

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

Here you see how a box with a 4 pixel rgb(2, 152, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 152, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 152, 183);  
box-shadow:4px 4px 4px 4px rgb(2, 152,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 33.913, 228.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 152, 183) }
```

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

```
.background{ background-color: rgb(2, 152,  
183) }
```

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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