

Converting Colors

CIELCh(58, 33.776, 233.898)

Have a look what the booklet for
CIELCh(58, 33.776, 233.898)
contains.

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Color

CIELCh(58, 33.726, 233.996)

Conversions

Conversions Part 1

Format	Color
Hex	1797BA
RGB	23, 151, 186
RGB Percent	9%, 59%, 73%
CMY	0.9106, 0.4067, 0.2694
CMYK	0.88, 0.19, 0.00, 0.27
HSL	193°, 78%, 41%
HSV	193°, 88%, 73%
XYZ	20.3541, 25.9610, 50.5557
YIQ	116.7180, -87.5230, -16.2510

Conversions

Conversions Part 2

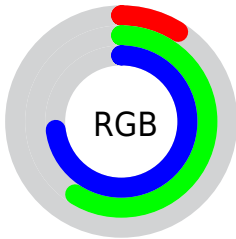
Format	Color
R _Y B	23, 95, 186
Decimal	1546170
CIE Lab	58.00, -19.83, -27.28
CIE LCh	58, 33.726, 233.996
Yxy	25.9610, 0.2101, 0.2680
Android (android.graphics.Color)	4279736250 (0xFF1797BA)
YUV	116.7180, 34.1560, -82.1907
Hunter-Lab	50.9519, -17.8593, -23.1625

Details

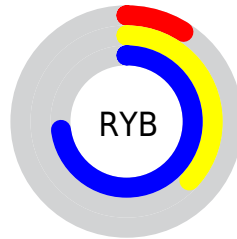
The CIELCh color **58, 33.726, 233.996** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **44, 69.245, 43.632**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 33.707, 234.192**, and **39, 27.961, 244.471** is the 20% darker color. If you saturate the color by 10%, you get **57, 34.769, 237.795**, and if you desaturate by 10%, it is **59, 32.191, 230.808**.

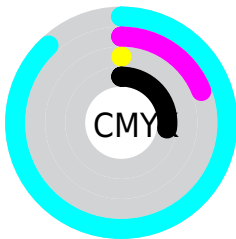
Distribution



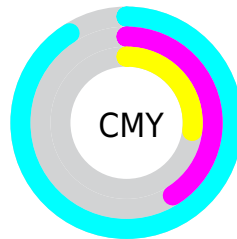
- Red (9%)
- Green (59%)
- Blue (73%)



- Red (9%)
- Yellow (37%)
- Blue (73%)



- Cyan (88%)
- Magenta (19%)
- Yellow (0%)
- Black (27%)




- Cyan (91%)
- Magenta (41%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 33.726, 233.996 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, 33.726, 233.996 by changing the saturation by 10% instead.


 58, 33.726,
233.996


 58, 33.726,
233.996


 100, 33.726,
233.996


 48, 33.726,
233.996


 78, 33.726,
233.996

 38, 33.726,
233.996

 88, 33.726,
233.996

 28, 33.726,
233.996

 98, 33.726,
233.996

 18, 33.726,
233.996

 8, 33.726, 233.996

 0, 33.726, 233.996

■ 58, 33.726,
233.996

■ 58, 33.726,
233.996

■ 57, 34.769,
237.795

■ 59, 32.191,
230.808

■ 56, 34.994,
238.661

■ 61, 30.026,
228.239

■ 63, 27.187,
226.212

■ 65, 23.689,
224.642

■ 67, 19.586,
223.447

■ 69, 14.953,
222.556

■ 71, 9.874, 221.913

■ 74, 4.431, 221.504

Harmonies

Complementary

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



58, 33.726, 233.996



44, 69.245, 43.632

Rectangle

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



58, 33.726, 233.996



58, 33.726, 283.996



58, 33.726, 53.996



58, 33.726, 103.996

Sweetspot

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



58, 33.725, 233.996



88, 17.411, 222.456



66, 83.082, 140.437



46, 11.756, 222.724



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



58, 33.725, 233.996



72, 42.722, 239.422



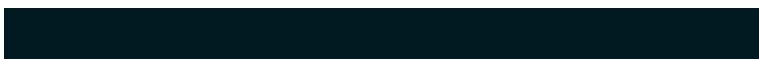
35, 70.663, 294.321



39, 3.255, 221.549



48, 30.941, 238.089



7, 9.474, 231.134

Inverse Universe

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



43, 75.857, 337.658



55, 93.955, 339.258



60, 61.924, 81.342



37, 6.090, 331.580



35, 68.642, 338.871



3, 17.387, 334.974

Previews

White Background



This preview shows how the CIELCh color 58, 33.726, 233.996 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, 33.726, 233.996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

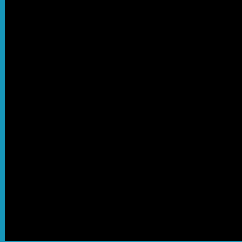
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 33.726, 233.996

Background



This preview shows how black text looks on a background with the CIELCh color 58, 33.726, 233.996.

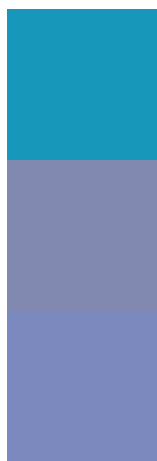


This preview shows how white text looks on a background with the CIELCh color 58, 33.726, 233.996.

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, 33.675, 234.064

Protanopia

58, 22.296, 285.676

Deuteranopia

58, 30.324, 285.058

Trichromacy

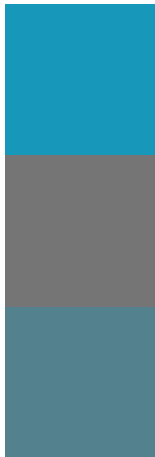


Original Color
58, 33.675, 234.064

Protanomaly
57, 26.110, 255.328

Deuteranomaly
57, 30.381, 261.379

Monochromacy



Original Color
58, 33.675, 234.064

Achromatopsia
49, 0.007, 296.813

Achromatomaly
51, 17.027, 224.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 33.726, 233.996 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(23, 151, 186)` looks like.

```
.text, #text, p{  
    color:rgb(23, 151, 186)  
}
```

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(23, 151, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 151, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 33.726, 233.996 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(23, 151, 186) }
```

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

```
.border{ border-color:rgb(23, 151, 186) }
```

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

Here you see how a box with a 4 pixel rgb(23, 151, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 151, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 151, 186);  
box-shadow:4px 4px 4px 4px rgb(23, 151,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 33.726, 233.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 151, 186) }
```

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

```
.background{ background-color: rgb(23, 151,  
186) }
```

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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