

Converting Colors

CIELCh(57, 32.987, 225.076)

Have a look what the booklet for
CIELCh(57, 32.987, 225.076)
contains.

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Color

CIELCh(57, 33.032, 225.209)

Conversions

Conversions Part 1

Format	Color
Hex	0296B1
RGB	2, 150, 177
RGB Percent	1%, 59%, 69%
CMY	0.9918, 0.4126, 0.3067
CMYK	0.99, 0.15, 0.00, 0.31
HSL	189°, 98%, 35%
HSV	189°, 99%, 69%
XYZ	18.8115, 24.9227, 45.2988
YIQ	108.8260, -96.8750, -22.9790

Conversions

Conversions Part 2

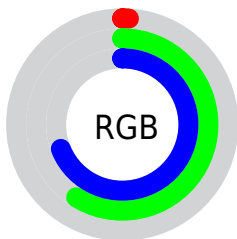
Format	Color
RYB	2, 82, 177
Decimal	169649
CIELab	57.00, -23.27, -23.44
CIELCh	57, 33.032, 225.209
Yxy	24.9227, 0.2113, 0.2799
Android (android.graphics.Color)	4278359729 (0xFF0296B1)
YUV	108.8260, 33.6098, -93.6864
Hunter-Lab	49.9226, -20.1035, -18.8528

Details

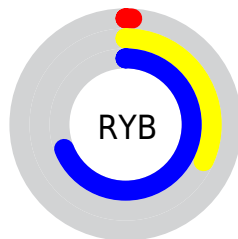
The CIELCh color **57, 33.032, 225.209** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **38, 75.840, 42.110**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 33.011, 226.001**, and **39, 25.700, 234.448** is the 20% darker color. If you saturate the color by 10%, you get **57, 33.093, 225.532**, and if you desaturate by 10%, it is **58, 32.453, 222.519**.

Distribution



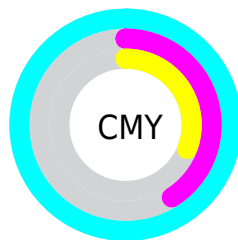
- Red (1%)
- Green (59%)
- Blue (69%)



- Red (1%)
- Yellow (32%)
- Blue (69%)



- Cyan (99%)
- Magenta (15%)
- Yellow (0%)
- Black (31%)



- Cyan (99%)
- Magenta (41%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 33.032, 225.209 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 57, 33.032, 225.209 by changing the saturation by 10% instead.


 57, 33.032,
225.209


 57, 33.032,
225.209


 100, 33.032,
225.209


 47, 33.032,
225.209


 77, 33.032,
225.209

 37, 33.032,
225.209

 87, 33.032,
225.209

 27, 33.032,
225.209

 97, 33.032,
225.209

 17, 33.032,
225.209

 7, 33.032, 225.209

 0, 33.032, 225.209

■ 57, 33.032,
225.209

■ 57, 33.032,
225.209

■ 57, 33.093,
225.532

■ 58, 32.453,
222.519

■ 59, 31.327,
220.282

■ 60, 29.500,
218.518

■ 62, 26.942,
217.162

■ 63, 23.677,
216.150

■ 65, 19.765,
215.422

■ 66, 15.285,
214.927

■ 68, 10.327,

214.623

■ 70, 4.978, 214.500

Harmonies

Complementary

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



57, 33.032, 225.209



38, 75.840, 42.110

Rectangle

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



57, 33.032, 225.209



57, 33.032, 275.209



57, 33.032, 45.209



57, 33.032, 95.209

Sweetspot

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



57, 33.031, 225.209



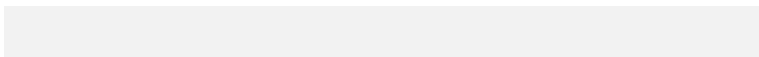
84, 19.547, 214.996



63, 87.009, 137.786



43, 13.105, 215.189



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



57, 33.031, 225.209



72, 40.215, 226.105



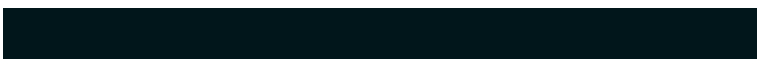
31, 71.168, 295.131



37, 3.217, 214.501



50, 29.757, 225.155



6, 7.652, 221.993

Inverse Universe

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



41, 77.701, 335.396



53, 94.423, 335.632



54, 62.296, 74.440



35, 6.067, 329.514



35, 70.070, 335.390



2, 13.911, 331.335

Previews

White Background



This preview shows how the CIE LCh color 57, 33.032, 225.209 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 57, 33.032, 225.209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

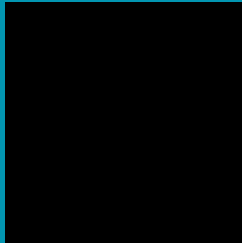
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 33.032, 225.209

Background



This preview shows how black text looks on a background with the CIELCh color 57, 33.032, 225.209.

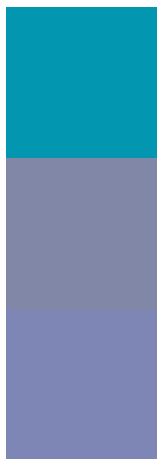


This preview shows how white text looks on a background with the CIELCh color 57, 33.032, 225.209.

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

57, 33.065, 225.175

Protanopia

57, 17.780, 285.404

Deuteranopia

57, 26.354, 286.673



Tritanopia
57, 32.711, 208.903

Trichromacy



Original Color
57, 33.065, 225.175

Protanomaly
56, 23.861, 244.823

Deuteranomaly
56, 27.619, 253.001

Tritanomaly
57, 32.604, 214.314

Monochromacy



Original Color
57, 33.065, 225.175

Achromatopsia
46, 0.006, 296.813

Achromatomaly
49, 18.661, 216.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 33.032, 225.209 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, 150, 177)` looks like.

```
.text, #text, p{  
    color:rgb(2, 150, 177)  
}
```

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, 150, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 150, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 33.032, 225.209 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, 150, 177) }
```

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

```
.border{ border-color:rgb(2, 150, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 150, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 150, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 150, 177);  
box-shadow:4px 4px 4px 4px rgb(2, 150,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 33.032, 225.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 150, 177) }
```

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

```
.background{ background-color: rgb(2, 150,  
177) }
```

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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