

Converting Colors

CIELCh(57, 32.769, 216.824)

Have a look what the booklet for
CIELCh(57, 32.769, 216.824)
contains.

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Color

CIELCh(57, 32.686, 216.445)

Conversions

Conversions Part 1

Format	Color
Hex	0097AA
RGB	0, 151, 170
RGB Percent	0%, 59%, 67%
CMY	1.0000, 0.4090, 0.3345
CMYK	1.00, 0.11, 0.00, 0.33
HSL	187°, 100%, 33%
HSV	187°, 100%, 67%
XYZ	18.2323, 24.9227, 41.7331
YIQ	108.0170, -96.0950, -26.1030

Conversions

Conversions Part 2

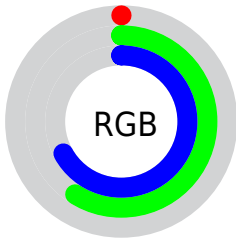
Format	Color
RYB	0, 80, 170
Decimal	38826
CIELab	57.00, -26.29, -19.42
CIELCh	57, 32.686, 216.445
Yxy	24.9227, 0.2148, 0.2936
Android (android.graphics.Color)	4278228906 (0xFF0097AA)
YUV	108.0170, 30.5576, -94.7309
Hunter-Lab	49.9226, -22.1744, -14.6180

Details

The CIELCh color **57, 32.686, 216.445** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 75.254, 41.442**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 32.728, 215.674**, and **39, 24.679, 223.946** is the 20% darker color. If you saturate the color by 10%, you get **57, 32.641, 216.475**, and if you desaturate by 10%, it is **58, 32.210, 214.649**.

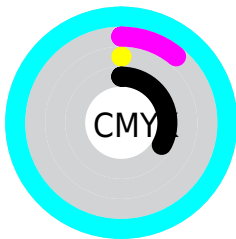
Distribution



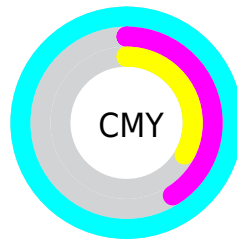
- Red (0%)
- Green (59%)
- Blue (67%)



- Red (0%)
- Yellow (31%)
- Blue (67%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (33%)




- Cyan (100%)
- Magenta (41%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 32.686, 216.445 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, 32.686, 216.445 by changing the saturation by 10% instead.


 57, 32.686,
216.445


 57, 32.686,
216.445

 100, 32.686,
216.445

 47, 32.686,
216.445


 77, 32.686,
216.445

 37, 32.686,
216.445

 87, 32.686,
216.445

 27, 32.686,
216.445

 97, 32.686,
216.445

 17, 32.686,
216.445

 7, 32.686, 216.445

 0, 32.686, 216.445

■ 57, 32.686,
216.445

■ 57, 32.686,
216.445

■ 57, 32.641,
216.475

■ 58, 32.210,
214.649

■ 59, 31.252,
213.122

■ 59, 29.576,
211.937

■ 60, 27.156,
211.055

■ 62, 24.013,
210.431

■ 63, 20.205,
210.024

■ 64, 15.810,
209.796

■ 66, 10.918,

209.720

■ 68, 5.620, 209.788

Harmonies

Complementary

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



57, 32.686, 216.445



36, 75.254, 41.442

Rectangle

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



57, 32.686, 216.445



57, 32.686, 266.445



57, 32.686, 36.445



57, 32.686, 86.445

Sweetspot

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



57, 32.641, 216.475



82, 19.619, 209.805



60, 86.249, 136.978



43, 13.270, 209.882



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



57, 32.641, 216.475



73, 39.812, 216.893



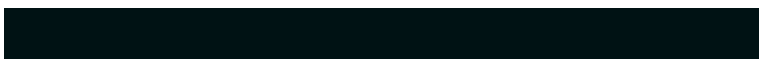
32, 63.983, 292.153



35, 3.165, 209.800



50, 29.527, 216.221



4, 5.741, 214.066

Inverse Universe

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



39, 78.067, 333.221



51, 95.187, 333.324



49, 61.012, 69.624



33, 5.954, 328.142



34, 70.631, 333.159



2, 10.505, 328.900

Previews

White Background



This preview shows how the CIELCh color 57, 32.686, 216.445 looks on a white background.

Color Contrast Check

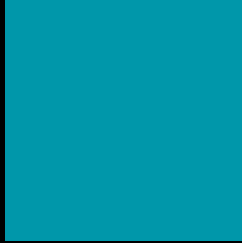
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.686, 216.445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

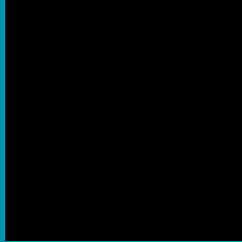
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 32.686, 216.445

Background



This preview shows how black text looks on a background with the CIELCh color 57, 32.686, 216.445.

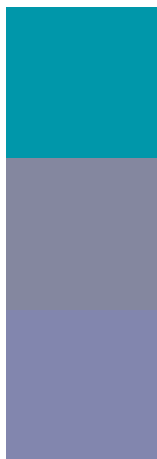


This preview shows how white text looks on a background with the CIELCh color 57, 32.686, 216.445.

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, 32.686, 216.445

Protanopia

57, 13.732, 287.235

Deuteranopia

57, 22.856, 289.365



Tritanopia
57, 32.677, 209.978

Trichromacy



Original Color
57, 32.686, 216.445



Protanomaly
56, 21.485, 234.306



Deuteranomaly
56, 24.553, 247.115



Tritanomaly
57, 32.639, 212.132

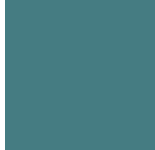
Monochromacy



Original Color
57, 32.686, 216.445



Achromatopsia
46, 0.006, 296.813



Achromatomaly
49, 18.731, 208.517

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 32.686, 216.445 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(0, 151, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 170)  
}
```

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(0, 151, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 32.686, 216.445 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(0, 151, 170) }
```

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

```
.border{ border-color:rgb(0, 151, 170) }
```

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

Here you see how a box with a 4 pixel rgb(0, 151, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 32.686, 216.445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 170) }
```

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

```
.background{ background-color: rgb(0, 151,  
170) }
```

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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