

Converting Colors

CIELCh(57, 32.654, 217.620)

Have a look what the booklet for
CIELCh(57, 32.654, 217.620)
contains.

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Color

CIELCh(57, 32.724, 217.520)

Conversions

Conversions Part 1

Format	Color
Hex	0097AB
RGB	0, 151, 171
RGB Percent	0%, 59%, 67%
CMY	1.0000, 0.4094, 0.3310
CMYK	1.00, 0.12, 0.00, 0.33
HSL	187°, 100%, 33%
HSV	187°, 100%, 67%
XYZ	18.2966, 24.9227, 42.1768
YIQ	108.1310, -96.4160, -25.7920

Conversions

Conversions Part 2

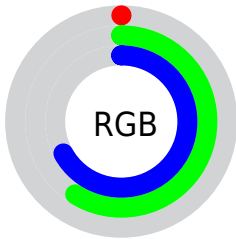
Format	Color
RYB	0, 80, 171
Decimal	38827
CIELab	57.00, -25.95, -19.93
CIELCh	57, 32.724, 217.520
Yxy	24.9227, 0.2143, 0.2918
Android (android.graphics.Color)	4278228907 (0xFF0097AB)
YUV	108.1310, 30.9944, -94.8309
Hunter-Lab	49.9226, -21.9444, -15.1449

Details

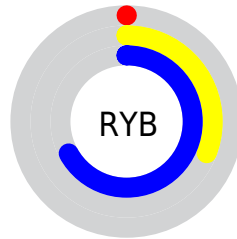
The CIELCh color **57, 32.724, 217.520** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 75.455, 41.543**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 32.786, 216.656**, and **39, 24.799, 225.454** is the 20% darker color. If you saturate the color by 10%, you get **57, 32.664, 217.563**, and if you desaturate by 10%, it is **58, 32.226, 215.628**.

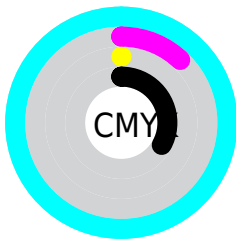
Distribution



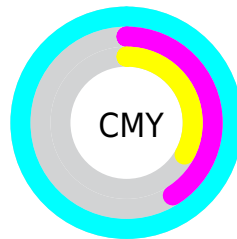
- Red (0%)
- Green (59%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (33%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 32.724, 217.520 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, 32.724, 217.520 by changing the saturation by 10% instead.


 57, 32.724,
217.520


 57, 32.724,
217.520


 100, 32.724,
217.520


 47, 32.724,
217.520


 77, 32.724,
217.520

 37, 32.724,
217.520

 87, 32.724,
217.520

 27, 32.724,
217.520

 97, 32.724,
217.520

 17, 32.724,
217.520

 7, 32.724, 217.520

 0, 32.724, 217.520

■ 57, 32.724,
217.520

■ 57, 32.724,
217.520

■ 57, 32.664,
217.563

■ 58, 32.226,
215.628

■ 59, 31.264,
214.008

■ 60, 29.585,
212.748

■ 61, 27.162,
211.804

■ 62, 24.017,
211.129

■ 63, 20.207,
210.679

■ 65, 15.811,
210.417

■ 66, 10.919,

210.311

■ 68, 5.621, 210.353

Harmonies

Complementary

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



57, 32.724, 217.520



36, 75.455, 41.543

Rectangle

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



57, 32.724, 217.520



57, 32.724, 267.520



57, 32.724, 37.520



57, 32.724, 87.520

Sweetspot

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



57, 32.664, 217.563



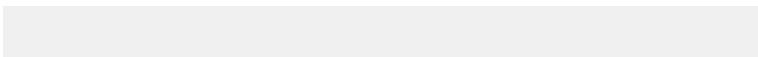
82, 19.537, 210.427



61, 86.141, 137.192



43, 13.215, 210.517



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, 32.664, 217.563



73, 39.688, 217.994



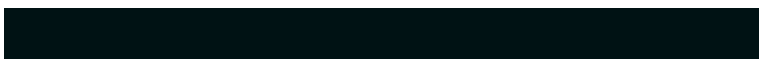
31, 66.180, 293.315



35, 3.152, 210.364



50, 29.432, 217.285



4, 5.714, 214.810

Inverse Universe

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



39, 78.051, 333.489



51, 94.793, 333.596



50, 61.130, 71.150



33, 5.932, 328.306



34, 70.346, 333.421



2, 10.454, 329.122

Previews

White Background



This preview shows how the CIELCh color 57, 32.724, 217.520 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, 32.724, 217.520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

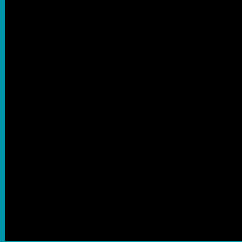
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

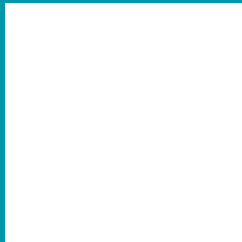
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 32.724, 217.520

Background



This preview shows how black text looks on a background with the CIELCh color 57, 32.724, 217.520.

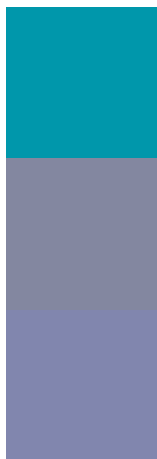


This preview shows how white text looks on a background with the CIELCh color 57, 32.724, 217.520.

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, 32.724, 217.520

Protanopia

57, 14.324, 286.063

Deuteranopia

57, 22.872, 288.517



Tritanopia
57, 32.677, 209.978

Trichromacy



Original Color
57, 32.724, 217.520

Protanomaly
56, 21.942, 235.313

Deuteranomaly
56, 25.067, 247.788

Tritanomaly
57, 32.639, 212.132

Monochromacy



Original Color
57, 32.724, 217.520

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 18.524, 212.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 32.724, 217.520 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 32.724, 217.520 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, 171) }
```

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

```
.border{ border-color:rgb(0, 151, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 32.724, 217.520 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, 171) }
```

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

```
.background{ background-color: rgb(0, 151,  
171) }
```

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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