

Converting Colors

CIELCh(57, 32.651, 214.567)

Have a look what the booklet for
CIELCh(57, 32.651, 214.567)
contains.

CIELCh(57, 32.642, 214.290)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(57, 32.642, 214.290)

Conversions

Conversions Part 1

Format	Color
Hex	0097A8
RGB	0, 151, 168
RGB Percent	0%, 59%, 66%
CMY	1.0000, 0.4082, 0.3416
CMYK	1.00, 0.10, 0.00, 0.34
HSL	186°, 100%, 33%
HSV	186°, 100%, 66%
XYZ	18.1045, 24.9227, 40.8541
YIQ	107.7890, -95.4530, -26.7250

Conversions

Conversions Part 2

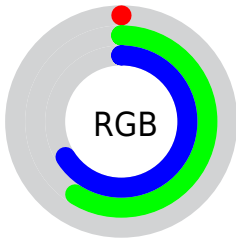
Format	Color
RYB	0, 80, 168
Decimal	38824
CIELab	57.00, -26.97, -18.39
CIELCh	57, 32.642, 214.290
Yxy	24.9227, 0.2158, 0.2971
Android (android.graphics.Color)	4278228904 (0xFF0097A8)
YUV	107.7890, 29.6840, -94.5310
Hunter-Lab	49.9226, -22.6313, -13.5740

Details

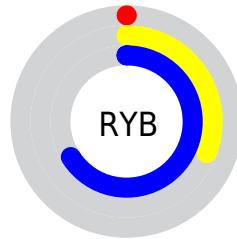
The CIELCh color **57, 32.642, 214.290** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **35, 74.836, 41.241**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 32.638, 213.701**, and **39, 24.485, 220.893** is the 20% darker color. If you saturate the color by 10%, you get **57, 32.627, 214.298**, and if you desaturate by 10%, it is **58, 32.201, 212.689**.

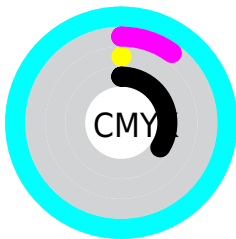
Distribution



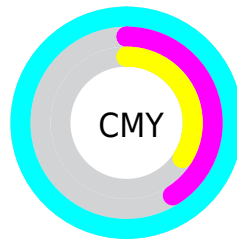
- Red (0%)
- Green (59%)
- Blue (66%)



- Red (0%)
- Yellow (31%)
- Blue (66%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (34%)





- Cyan (100%)
- Magenta (41%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 32.642, 214.290 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, 32.642, 214.290 by changing the saturation by 10% instead.


 57, 32.642,
214.290


 57, 32.642,
214.290


 100, 32.642,
214.290


 47, 32.642,
214.290


 77, 32.642,
214.290

 37, 32.642,
214.290

 87, 32.642,
214.290

 27, 32.642,
214.290

 97, 32.642,
214.290

 17, 32.642,
214.290

 7, 32.642, 214.290

 0, 32.642, 214.290

■ 57, 32.642,
214.290

■ 57, 32.642,
214.290

■ 57, 32.627,
214.298

■ 58, 32.201,
212.689

■ 58, 31.248,
211.347

■ 59, 29.575,
210.315

■ 60, 27.156,
209.557

■ 61, 24.015,
209.034

■ 63, 20.207,
208.710

■ 64, 15.813,
208.552

■ 65, 10.921,

208.535

■ 67, 5.621, 208.654

Harmonies

Complementary

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



57, 32.642, 214.290



35, 74.836, 41.241

Rectangle

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



57, 32.642, 214.290



57, 32.642, 264.290



57, 32.642, 34.290



57, 32.642, 84.290

Sweetspot

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



57, 32.627, 214.298



81, 19.608, 208.557



60, 85.552, 136.987



42, 13.141, 208.606



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



57, 32.627, 214.298



73, 39.758, 214.671



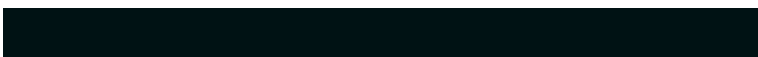
31, 63.425, 292.119



35, 3.193, 208.669



51, 29.747, 214.090



4, 5.799, 212.566

Inverse Universe

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



39, 78.104, 332.687



51, 95.169, 332.778



49, 60.530, 69.654



33, 5.998, 327.811



34, 71.213, 332.636



2, 10.609, 328.452

Previews

White Background



This preview shows how the CIELCh color 57, 32.642, 214.290 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, 32.642, 214.290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

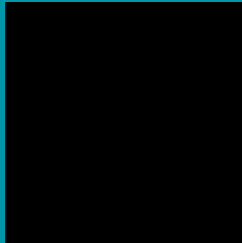
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 32.642, 214.290

Background



This preview shows how black text looks on a background with the CIELCh color 57, 32.642, 214.290.



This preview shows how white text looks on a background with the CIELCh color 57, 32.642, 214.290.

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





Tritanopia
57, 32.677, 209.978

Trichromacy



Original Color
57, 32.642, 214.290



Protanomaly
56, 21.007, 231.369



Deuteranomaly
56, 24.203, 245.985



Tritanomaly
57, 32.653, 211.054

Monochromacy



Original Color
57, 32.642, 214.290



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, 32.642, 214.290 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 32.642, 214.290 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, 168) }
```

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

```
.border{ border-color:rgb(0, 151, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 32.642, 214.290 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, 168) }
```

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

```
.background{ background-color: rgb(0, 151,  
168) }
```

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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