

Converting Colors

CIELCh(64, 35.543, 217.331)

Have a look what the booklet for
CIELCh(64, 35.543, 217.331)
contains.

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Color

CIELCh(64, 35.477, 217.373)

Conversions

Conversions Part 1

Format	Color
Hex	09AAC0
RGB	9, 170, 192
RGB Percent	4%, 67%, 75%
CMY	0.9638, 0.3316, 0.2453
CMYK	0.95, 0.11, 0.00, 0.25
HSL	187°, 91%, 40%
HSV	187°, 95%, 75%
XYZ	24.1380, 32.8017, 55.1914
YIQ	124.3690, -103.0180, -27.2900

Conversions

Conversions Part 2

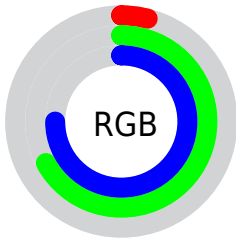
Format	Color
RYB	9, 95, 192
Decimal	633536
CIELab	64.00, -28.19, -21.53
CIELCh	64, 35.477, 217.373
Yxy	32.8017, 0.2153, 0.2925
Android (android.graphics.Color)	4278823616 (0xFF09AAC0)
YUV	124.3690, 33.3421, -101.1786
Hunter-Lab	57.2727, -24.9973, -17.0444

Details

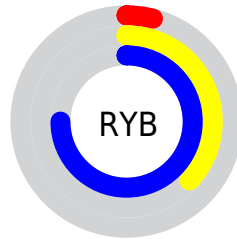
The CIELCh color **64, 35.477, 217.373** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **42, 79.614, 40.732**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 35.454, 216.636**, and **45, 27.616, 224.363** is the 20% darker color. If you saturate the color by 10%, you get **64, 35.643, 218.382**, and if you desaturate by 10%, it is **65, 34.840, 215.448**.

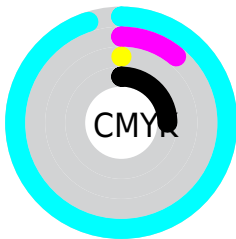
Distribution



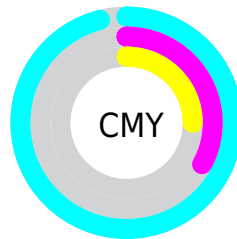
- Red (4%)
- Green (67%)
- Blue (75%)



- Red (4%)
- Yellow (37%)
- Blue (75%)



- Cyan (95%)
- Magenta (11%)
- Yellow (0%)
- Black (25%)





- Cyan (96%)
- Magenta (33%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 35.477, 217.373 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 64, 35.477, 217.373 by changing the saturation by 10% instead.


 64, 35.477,
217.373


 64, 35.477,
217.373


 100, 35.477,
217.373


 54, 35.477,
217.373


 84, 35.477,
217.373

 44, 35.477,
217.373

 94, 35.477,
217.373

 34, 35.477,
217.373

 24, 35.477,
217.373

 14, 35.477,
217.373

 4, 35.477, 217.373

 0, 35.477, 217.373

■ 64, 35.477,
217.373

■ 64, 35.477,
217.373

■ 64, 35.643,
218.382

■ 65, 34.840,
215.448

■ 66, 33.461,
213.920

■ 67, 31.267,
212.749

■ 68, 28.252,
211.887

■ 70, 24.460,
211.284

■ 71, 19.966,
210.898

■ 73, 14.867,
210.690

■ 75, 9.264, 210.634

Harmonies

Complementary

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



64, 35.477, 217.373



42, 79.614, 40.732

Rectangle

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



64, 35.477, 217.373



64, 35.477, 267.373



64, 35.477, 37.373



64, 35.477, 87.373

Sweetspot

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



64, 35.476, 217.372



91, 20.819, 210.759



68, 92.727, 137.542



48, 14.037, 210.858



99, 0.012, 296.813



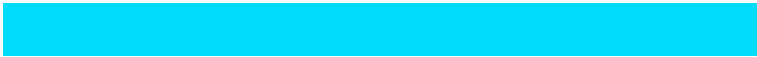
52, 0.007, 296.813

Same Dimension

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



64, 35.476, 217.372



81, 43.334, 218.781



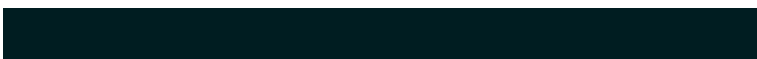
37, 69.237, 291.905



40, 3.532, 210.677



54, 31.206, 218.050



9, 10.949, 213.093

Inverse Universe

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



45, 84.529, 333.414



58, 103.405, 333.790



57, 65.303, 72.058



38, 6.653, 328.409



37, 74.529, 333.610



4, 21.635, 330.795

Previews

White Background



This preview shows how the CIELCh color 64, 35.477, 217.373 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64, 35.477, 217.373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

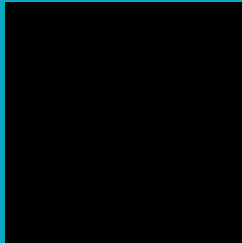
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 35.477, 217.373

Background



This preview shows how black text looks on a background with the CIELCh color 64, 35.477, 217.373.

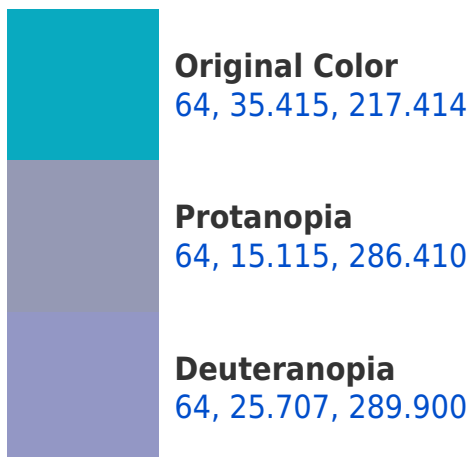


This preview shows how white text looks on a background with the CIELCh color 64, 35.477, 217.373.

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



Trichromacy

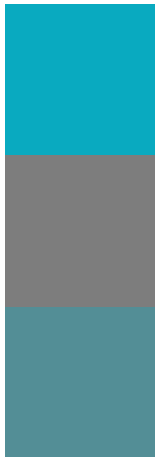


Original Color
64, 35.415, 217.414

Protanomaly
62, 23.314, 237.161

Deuteranomaly
62, 26.862, 249.409

Monochromacy



Original Color
64, 35.415, 217.414

Achromatopsia
52, 0.007, 296.813

Achromatomaly
55, 19.875, 211.128

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 35.477, 217.373 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(9, 170, 192)` looks like.

```
.text, #text, p{  
    color:rgb(9, 170, 192)  
}
```

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(9, 170, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 170, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 35.477, 217.373 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(9, 170, 192) }
```

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

```
.border{ border-color:rgb(9, 170, 192) }
```

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

Here you see how a box with a 4 pixel rgb(9, 170, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 170, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 170, 192);  
box-shadow:4px 4px 4px 4px rgb(9, 170,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 35.477, 217.373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 170, 192) }
```

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

```
.background{ background-color: rgb(9, 170,  
192) }
```

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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