

Converting Colors

CIELCh(66, 35.495, 193.479)

Have a look what the booklet for
CIELCh(66, 35.495, 193.479)
contains.

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Color

CIELCh(66, 35.735, 192.955)

Conversions

Conversions Part 1

Format	Color
Hex	2EB2AE
RGB	46, 178, 174
RGB Percent	18%, 70%, 68%
CMY	0.8179, 0.3034, 0.3191
CMYK	0.74, 0.00, 0.02, 0.30
HSL	178°, 59%, 44%
HSV	178°, 74%, 70%
XYZ	24.5957, 35.3238, 45.3774
YIQ	138.0760, -77.3880, -29.2280

Conversions

Conversions Part 2

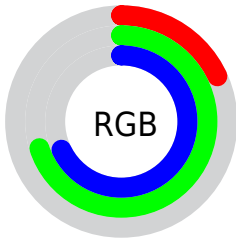
Format	Color
RYB	46, 113, 178
Decimal	3060398
CIELab	66.00, -34.83, -8.01
CIElCh	66, 35.735, 192.955
Yxy	35.3238, 0.2336, 0.3355
Android (android.graphics.Color)	4281250478 (0xFF2EB2AE)
YUV	138.0760, 17.7105, -80.7507
Hunter-Lab	59.4338, -30.1400, -3.6639

Details

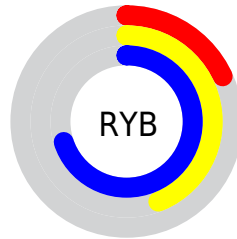
The CIELCh color **66, 35.735, 192.955** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **41, 60.345, 29.510**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 35.764, 192.809**, and **47, 30.085, 192.885** is the 20% darker color. If you saturate the color by 10%, you get **66, 37.588, 192.521**, and if you desaturate by 10%, it is **66, 33.072, 193.402**.

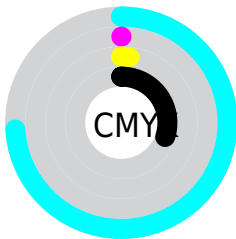
Distribution



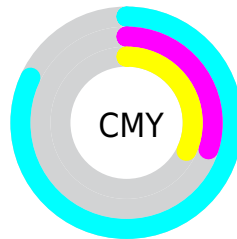
- Red (18%)
- Green (70%)
- Blue (68%)



- Red (18%)
- Yellow (44%)
- Blue (70%)



- Cyan (74%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)





- Cyan (82%)
- Magenta (30%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 35.735, 192.955 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 66, 35.735, 192.955 by changing the saturation by 10% instead.


 66, 35.735,
192.955


 66, 35.735,
192.955


 100, 35.735,
192.955


 56, 35.735,
192.955


 86, 35.735,
192.955

 46, 35.735,
192.955

 96, 35.735,
192.955

 36, 35.735,
192.955

 26, 35.735,
192.955

 16, 35.735,
192.955

 6, 35.735, 192.955

 0, 35.735, 192.955

66, 35.735,
192.955

66, 35.735,
192.955

66, 37.588,
192.521

66, 33.072,
193.402

66, 38.685,
192.093

67, 29.601,
193.873

65, 39.130,
191.831

68, 25.364,
194.373

68, 20.440,
194.906

69, 14.924,
195.472

71, 8.923, 196.079

72, 2.541, 196.829

73, 4.124, 17.137

Harmonies

Complementary

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



66, 35.735, 192.955



41, 60.345, 29.510

Rectangle

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



66, 35.735, 192.955



66, 35.735, 242.955



66, 35.735, 12.955



66, 35.735, 62.955

Sweetspot

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



66, 35.735, 192.954



89, 17.182, 195.559



64, 79.586, 137.359



47, 11.539, 195.402



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 35.735, 192.954



84, 46.900, 192.235



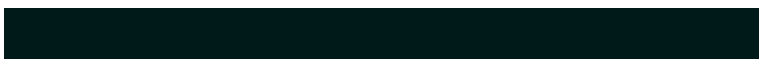
47, 38.755, 268.901



37, 3.702, 196.379



57, 35.042, 191.883



7, 9.179, 195.440

Inverse Universe

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



41, 60.345, 29.510



49, 89.273, 35.812



52, 50.060, 62.975



35, 3.911, 17.445



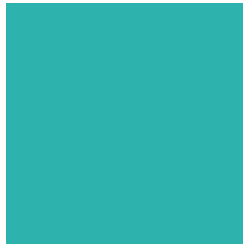
31, 69.799, 38.301



2, 9.165, 17.447

Previews

White Background



This preview shows how the CIELCh color 66, 35.735, 192.955 looks on a white background.

Color Contrast Check

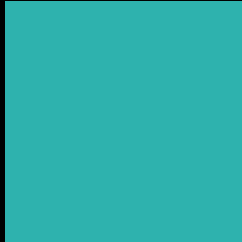
Large Text (above 18pt) WCAG AA × Fail

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 66, 35.735, 192.955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

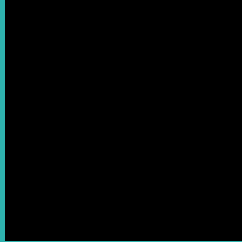
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

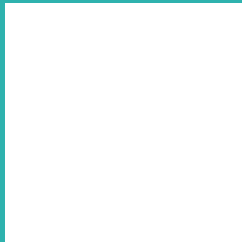
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 35.735, 192.955

Background



This preview shows how black text looks on a background with the CIELCh color 66, 35.735, 192.955.

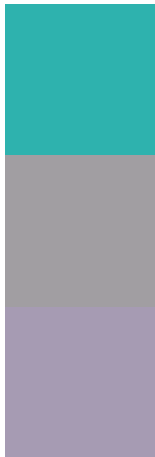


This preview shows how white text looks on a background with the CIELCh color 66, 35.735, 192.955.

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


66, 35.857, 192.958

Protanopia

65, 2.514, 317.331

Deuteranopia

66, 13.991, 308.225



Tritanopia
66, 32.265, 211.083

Trichromacy



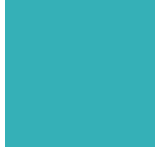
Original Color
66, 35.857, 192.958



Protanomaly
65, 16.048, 200.057



Deuteranomaly
65, 15.442, 228.917



Tritanomaly
66, 33.251, 203.598

Monochromacy



Original Color
66, 35.857, 192.958



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 16.606, 195.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 35.735, 192.955 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(46, 178, 174)` looks like.

```
.text, #text, p{  
    color:rgb(46, 178, 174)  
}
```

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(46, 178, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 178, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 35.735, 192.955 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(46, 178, 174) }
```

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

```
.border{ border-color:rgb(46, 178, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 178, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 178, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 178, 174);  
box-shadow:4px 4px 4px 4px rgb(46, 178,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 35.735, 192.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 178, 174) }
```

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

```
.background{ background-color: rgb(46, 178,  
174) }
```

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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