

Converting Colors

CIELCh(64, 65.242, 178.919)

Have a look what the booklet for
CIELCh(64, 65.242, 178.919)
contains.

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Color

CIELCh(66, 46.475, 173.980)

Conversions

Conversions Part 1

Format	Color
Hex	00B596
RGB	0, 181, 150
RGB Percent	0%, 71%, 59%
CMY	1.0000, 0.2893, 0.4107
CMYK	1.00, 0.00, 0.17, 0.29
HSL	170°, 100%, 36%
HSV	170°, 100%, 71%
XYZ	22.0504, 35.3238, 34.6193
YIQ	123.3470, -97.9250, -48.0130

Conversions

Conversions Part 2

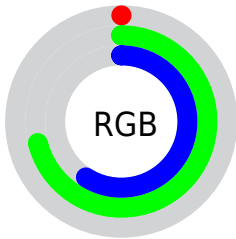
Format	Color
RYB	0, 99, 181
Decimal	46486
CIELab	66.00, -46.22, 4.87
CIELCh	66, 46.475, 173.980
Yxy	35.3238, 0.2397, 0.3840
Android (android.graphics.Color)	4278236566 (0xFF00B596)
YUV	123.3470, 13.1399, -108.1753
Hunter-Lab	59.4338, -37.7842, 7.0682

Details

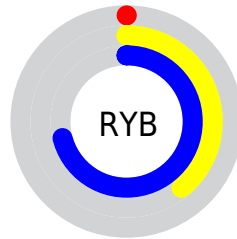
The CIELCh color **66, 46.475, 173.980** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **38, 73.255, 31.478**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 46.543, 173.742**, and **47, 37.735, 169.489** is the 20% darker color. If you saturate the color by 10%, you get **66, 46.353, 173.930**, and if you desaturate by 10%, it is **66, 44.672, 175.553**.

Distribution



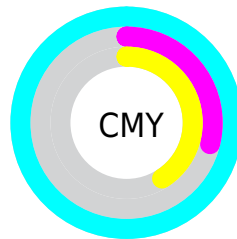
- Red (0%)
- Green (71%)
- Blue (59%)



- Red (0%)
- Yellow (39%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 46.475, 173.980 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, 46.475, 173.980 by changing the saturation by 10% instead.


 66, 46.475,
173.980

 66, 46.475,
173.980


 100, 46.475,
173.980


 56, 46.475,
173.980


 86, 46.475,
173.980

 46, 46.475,
173.980

 96, 46.475,
173.980

 36, 46.475,
173.980

 26, 46.475,
173.980

 16, 46.475,
173.980

 6, 46.475, 173.980

 0, 46.475, 173.980

■ 66, 46.475,
173.980

■ 66, 46.475,
173.980

■ 66, 46.353,
173.930

■ 66, 44.672,
175.553

■ 66, 42.399,
177.064

■ 67, 39.351,
178.430

■ 67, 35.510,
179.670

■ 68, 30.916,
180.806

■ 69, 25.648,
181.859

■ 70, 19.810,
182.848

■ 71, 13.514,

183.790

■ 72, 6.875, 184.714

Harmonies

Complementary

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



66, 46.475, 173.980



38, 73.255, 31.478

Rectangle

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



66, 46.475, 173.980



66, 46.475, 223.980



66, 46.475, 353.980



66, 46.475, 43.980

Sweetspot

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



66, 46.353, 173.930



88, 24.403, 182.800



65, 91.211, 134.830



46, 16.445, 182.396



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, 46.353, 173.930



83, 56.441, 173.623



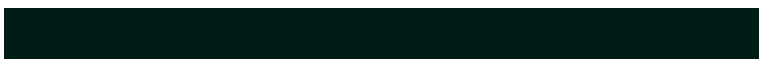
49, 38.913, 259.083



38, 3.940, 184.775



57, 41.306, 174.147



8, 11.376, 179.393

Inverse Universe

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



38, 73.255, 31.478



49, 89.700, 32.411



42, 72.469, 48.300



36, 4.100, 6.275



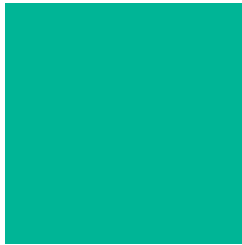
32, 65.023, 30.795



2, 10.838, 9.134

Previews

White Background



This preview shows how the CIELCh color 66, 46.475, 173.980 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, 46.475, 173.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

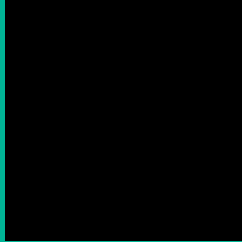
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 46.475, 173.980

Background



This preview shows how black text looks on a background with the CIELCh color 66, 46.475, 173.980.

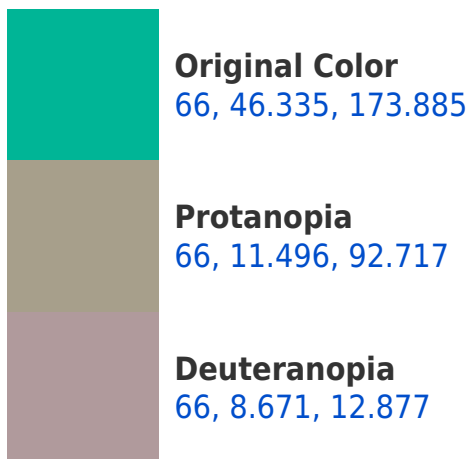


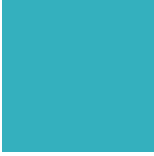
This preview shows how white text looks on a background with the CIELCh color 66, 46.475, 173.980.

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
66, 33.103, 210.655

Trichromacy



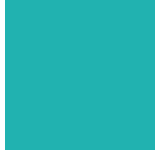
Original Color
66, 46.335, 173.885



Protanomaly
64, 26.008, 166.196



Deuteranomaly
64, 19.465, 180.962



Tritanomaly
66, 36.871, 194.734

Monochromacy



Original Color
66, 46.335, 173.885



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 23.873, 181.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 46.475, 173.980 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, 181, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 150)  
}
```

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, 181, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 46.475, 173.980 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, 181, 150) }
```

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

```
.border{ border-color:rgb(0, 181, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 46.475, 173.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 150) }
```

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

```
.background{ background-color: rgb(0, 181,  
150) }
```

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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