

Converting Colors

CIELCh(65, 59.554, 166.060)

Have a look what the booklet for
CIELCh(65, 59.554, 166.060)
contains.

CIELCh(66, 53.832, 163.036)	3
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Color

CIELCh(66, 53.832, 163.036)

Conversions

Conversions Part 1

Format	Color
Hex	02B783
RGB	2, 183, 131
RGB Percent	1%, 72%, 51%
CMY	0.9906, 0.2841, 0.4882
CMYK	0.99, 0.00, 0.29, 0.28
HSL	163°, 97%, 36%
HSV	163°, 99%, 72%
XYZ	20.9349, 35.3238, 27.0143
YIQ	122.9530, -91.1840, -54.5440

Conversions

Conversions Part 2

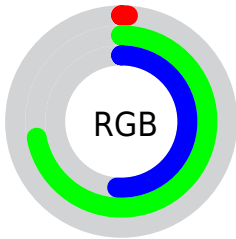
Format	Color
R_YB	2, 108, 183
Decimal	178051
CIE Lab	66.00, -51.49, 15.71
CIE LCh	66, 53.832, 163.036
Yxy	35.3238, 0.2514, 0.4242
Android (android.graphics.Color)	4278368131 (0xFF02B783)
YUV	122.9530, 3.9672, -106.0758
Hunter-Lab	59.4338, -41.1347, 14.6548

Details

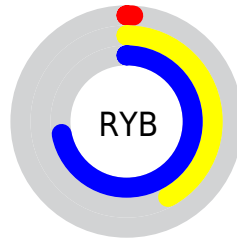
The CIELCh color **66, 53.832, 163.036** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **38, 68.058, 21.392**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 53.950, 163.082**, and **47, 45.952, 157.337** is the 20% darker color. If you saturate the color by 10%, you get **66, 54.174, 162.773**, and if you desaturate by 10%, it is **66, 51.132, 165.089**.

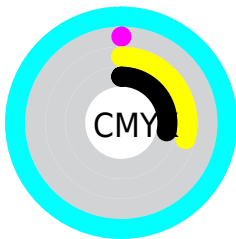
Distribution



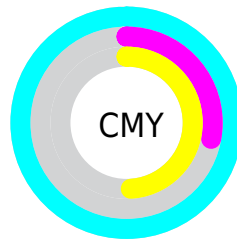
- Red (1%)
- Green (72%)
- Blue (51%)



- Red (1%)
- Yellow (42%)
- Blue (72%)



- Cyan (99%)
- Magenta (0%)
- Yellow (29%)
- Black (28%)





- Cyan (99%)
- Magenta (28%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 53.832, 163.036 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, 53.832, 163.036 by changing the saturation by 10% instead.


 66, 53.832,
163.036


 66, 53.832,
163.036


 100, 53.832,
163.036


 56, 53.832,
163.036


 86, 53.832,
163.036

 46, 53.832,
163.036

 96, 53.832,
163.036

 36, 53.832,
163.036

 26, 53.832,
163.036

 16, 53.832,
163.036

 6, 53.832, 163.036

 0, 53.832, 163.036

■ 66, 53.832,
163.036

■ 66, 53.832,
163.036

■ 66, 54.174,
162.773

■ 66, 51.132,
165.089

■ 67, 47.799,
166.986

■ 67, 43.708,
168.690

■ 68, 38.863,
170.216

■ 68, 33.325,
171.588

■ 69, 27.190,
172.829

■ 70, 20.575,
173.963

■ 72, 13.601,

175.014

■ 73, 6.385, 176.016

Harmonies

Complementary

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



66, 53.832, 163.036



38, 68.058, 21.392

Rectangle

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



66, 53.832, 163.036



66, 53.832, 213.036



66, 53.832, 343.036



66, 53.832, 33.036

Sweetspot

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



66, 53.832, 163.035



89, 26.524, 173.765



65, 89.323, 133.073



47, 18.093, 173.293



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 53.832, 163.035



84, 66.311, 162.382



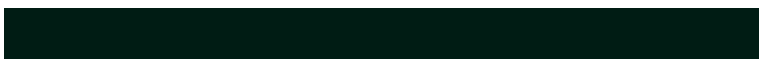
56, 34.068, 235.055



38, 4.179, 175.951



57, 47.918, 163.063



8, 12.389, 169.329

Inverse Universe

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



38, 68.058, 21.392



50, 83.947, 23.105



40, 76.277, 43.382



36, 4.297, 357.553



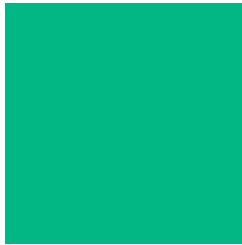
32, 60.670, 21.277



2, 11.171, 2.398

Previews

White Background



This preview shows how the CIELCh color 66, 53.832, 163.036 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, 53.832, 163.036 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, 53.832, 163.036

Background



This preview shows how black text looks on a background with the CIELCh color 66, 53.832, 163.036.

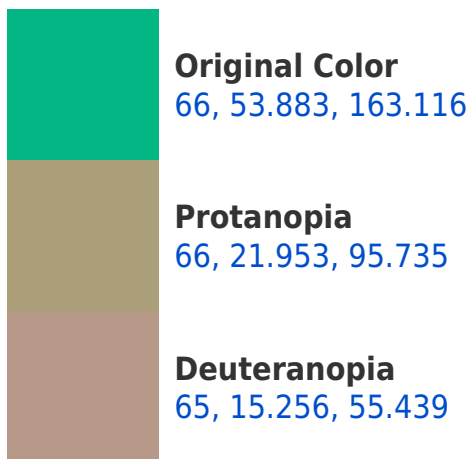


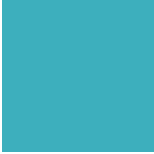
This preview shows how white text looks on a background with the CIELCh color 66, 53.832, 163.036.

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, 31.698, 211.380

Trichromacy



Original Color
66, 53.883, 163.116



Protanomaly
64, 33.262, 149.684



Deuteranomaly
63, 24.176, 155.464



Tritanomaly
66, 37.687, 187.830

Monochromacy



Original Color
66, 53.883, 163.116



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 26.090, 172.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 53.832, 163.036 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(2, 183, 131)` looks like.

```
.text, #text, p{  
    color:rgb(2, 183, 131)  
}
```

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(2, 183, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 183, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 53.832, 163.036 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(2, 183, 131) }
```

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

```
.border{ border-color:rgb(2, 183, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 183, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 183, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 183, 131);  
box-shadow:4px 4px 4px 4px rgb(2, 183,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 53.832, 163.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 183, 131) }
```

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

```
.background{ background-color: rgb(2, 183,  
131) }
```

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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