

Converting Colors

CIELCh(66, 54.543, 162.612)

Have a look what the booklet for
CIELCh(66, 54.543, 162.612)
contains.

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Color

CIELCh(66, 54.704, 162.265)

Conversions

Conversions Part 1

Format	Color
Hex	00B781
RGB	0, 183, 129
RGB Percent	0%, 72%, 51%
CMY	1.0000, 0.2834, 0.4951
CMYK	1.00, 0.00, 0.30, 0.28
HSL	162°, 100%, 36%
HSV	162°, 100%, 72%
XYZ	20.8073, 35.3238, 26.4018
YIQ	122.1270, -91.7340, -55.5900

Conversions

Conversions Part 2

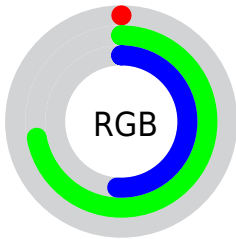
Format	Color
RYB	0, 107, 183
Decimal	46977
CIELab	66.00, -52.10, 16.66
CIELCh	66, 54.704, 162.265
Yxy	35.3238, 0.2521, 0.4280
Android (android.graphics.Color)	4278237057 (0xFF00B781)
YUV	122.1270, 3.3884, -107.1054
Hunter-Lab	59.4338, -41.5178, 15.2658

Details

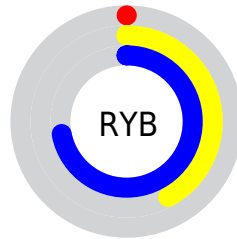
The CIELCh color **66, 54.704, 162.265** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **38, 68.404, 21.475**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 54.649, 162.231**, and **47, 46.370, 156.824** is the 20% darker color. If you saturate the color by 10%, you get **66, 54.664, 162.241**, and if you desaturate by 10%, it is **66, 51.948, 164.309**.

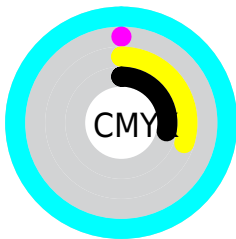
Distribution



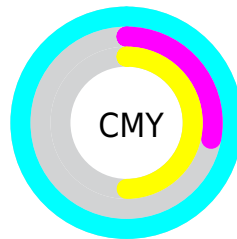
- Red (0%)
- Green (72%)
- Blue (51%)



- Red (0%)
- Yellow (42%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 54.704, 162.265 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, 54.704, 162.265 by changing the saturation by 10% instead.


 66, 54.704,
162.265


 66, 54.704,
162.265


 100, 54.704,
162.265


 56, 54.704,
162.265


 86, 54.704,
162.265

 46, 54.704,
162.265

 96, 54.704,
162.265

 36, 54.704,
162.265

 26, 54.704,
162.265

 16, 54.704,
162.265

 6, 54.704, 162.265

 0, 54.704, 162.265

■ 66, 54.704,
162.265

■ 66, 54.704,
162.265

■ 66, 54.664,
162.241

■ 66, 51.948,
164.309

■ 67, 48.654,
166.245

■ 67, 44.607,
167.986

■ 68, 39.803,
169.544

■ 68, 34.298,
170.943

■ 69, 28.184,
172.206

■ 70, 21.578,
173.357

■ 71, 14.602,

174.420

■ 73, 7.373, 175.426

Harmonies

Complementary

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



66, 54.704, 162.265



38, 68.404, 21.475

Rectangle

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



66, 54.704, 162.265



66, 54.704, 212.265



66, 54.704, 342.265



66, 54.704, 32.265

Sweetspot

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



66, 54.664, 162.241



89, 26.646, 173.302



65, 89.823, 133.140



47, 18.180, 172.828



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, 54.664, 162.241



84, 66.870, 161.849



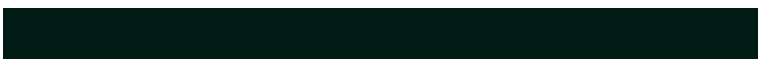
56, 34.205, 235.532



38, 4.195, 175.492



57, 48.313, 162.534



8, 12.451, 168.856

Inverse Universe

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



38, 68.404, 21.475



50, 83.654, 22.519



40, 77.242, 43.522



36, 4.311, 357.095



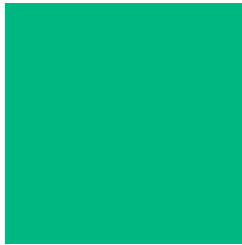
32, 60.484, 20.692



2, 11.193, 2.036

Previews

White Background



This preview shows how the CIELCh color 66, 54.704, 162.265 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, 54.704, 162.265 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, 54.704, 162.265

Background



This preview shows how black text looks on a background with the CIELCh color 66, 54.704, 162.265.

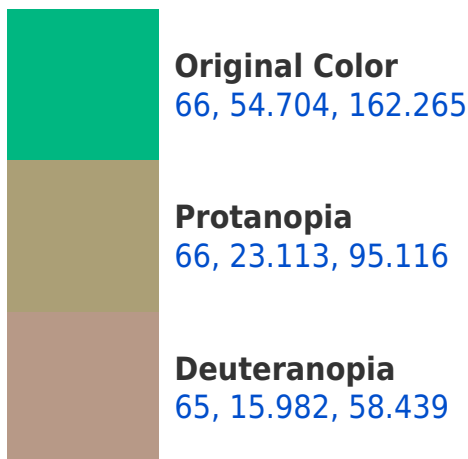



This preview shows how white text looks on a background with the CIELCh color 66, 54.704, 162.265.

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, 54.704, 162.265



Protanomaly
64, 34.120, 148.490



Deuteranomaly
63, 25.243, 154.168



Tritanomaly
66, 38.009, 187.022

Monochromacy



Original Color
66, 54.704, 162.265



Achromatopsia
51, 0.007, 296.813



Achromatomaly
55, 26.420, 171.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 54.704, 162.265 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, 183, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 129)  
}
```

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, 183, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 54.704, 162.265 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, 183, 129) }
```

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

```
.border{ border-color:rgb(0, 183, 129) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 54.704, 162.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 129) }
```

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

```
.background{ background-color: rgb(0, 183,  
129) }
```

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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