

Converting Colors

CIELCh(64, 57.095, 176.283)

Have a look what the booklet for
CIELCh(64, 57.095, 176.283)
contains.

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Color

CIELCh(65, 46.381, 173.094)

Conversions

Conversions Part 1

Format	Color
Hex	00B292
RGB	0, 178, 146
RGB Percent	0%, 70%, 57%
CMY	1.0000, 0.3006, 0.4260
CMYK	1.00, 0.00, 0.18, 0.30
HSL	169°, 100%, 35%
HSV	169°, 100%, 70%
XYZ	21.1718, 34.0472, 32.8054
YIQ	121.1300, -95.8160, -47.6880

Conversions

Conversions Part 2

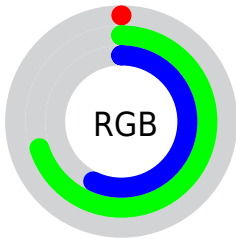
Format	Color
RYB	0, 98, 178
Decimal	45714
CIELab	65.00, -46.04, 5.58
CIELCh	65, 46.381, 173.094
Yxy	34.0472, 0.2405, 0.3868
Android (android.graphics.Color)	4278235794 (0xFF00B292)
YUV	121.1300, 12.2609, -106.2310
Hunter-Lab	58.3500, -37.3451, 7.5111

Details

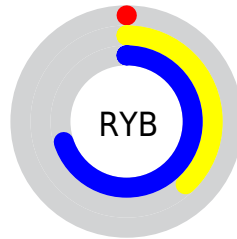
The CIELCh color **65, 46.381, 173.094** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **37, 71.944, 30.822**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 46.454, 172.918**, and **46, 37.313, 169.037** is the 20% darker color. If you saturate the color by 10%, you get **65, 46.279, 173.050**, and if you desaturate by 10%, it is **65, 44.545, 174.713**.

Distribution



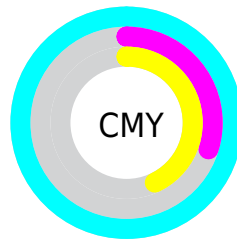
- Red (0%)
- Green (70%)
- Blue (57%)



- Red (0%)
- Yellow (38%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 46.381, 173.094 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 65, 46.381, 173.094 by changing the saturation by 10% instead.


 65, 46.381,
173.094


 65, 46.381,
173.094


 100, 46.381,
173.094


 55, 46.381,
173.094


 85, 46.381,
173.094

 45, 46.381,
173.094

 95, 46.381,
173.094

 35, 46.381,
173.094

 25, 46.381,
173.094

 15, 46.381,
173.094

 5, 46.381, 173.094

 0, 46.381, 173.094

■ 65, 46.381,
173.094

■ 65, 46.381,
173.094

■ 65, 46.279,
173.050

■ 65, 44.545,
174.713

■ 65, 42.232,
176.262

■ 66, 39.155,
177.662

■ 66, 35.300,
178.930

■ 67, 30.707,
180.090

■ 68, 25.455,
181.162

■ 69, 19.647,
182.167

■ 70, 13.395,

183.121

■ 71, 6.811, 184.054

Harmonies

Complementary

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



65, 46.381, 173.094



37, 71.944, 30.822

Rectangle

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



65, 46.381, 173.094



65, 46.381, 223.094



65, 46.381, 353.094



65, 46.381, 43.094

Sweetspot

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



65, 46.279, 173.050



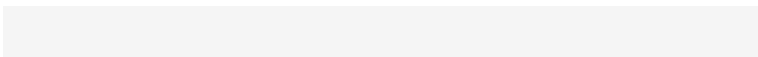
87, 24.303, 182.117



64, 90.124, 134.820



46, 16.527, 181.704



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



65, 46.279, 173.050



83, 56.573, 172.724



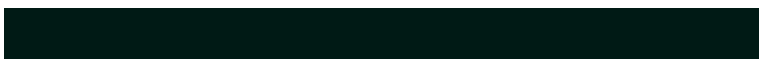
48, 38.431, 259.018



37, 3.863, 184.118



56, 41.222, 173.278



7, 9.809, 179.135

Inverse Universe

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



37, 71.944, 30.822



49, 88.429, 31.803



42, 71.585, 48.341



35, 4.015, 5.626



31, 63.841, 30.115



2, 9.364, 8.054

Previews

White Background



This preview shows how the CIELCh color 65, 46.381, 173.094 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 CIE LCh color 65, 46.381, 173.094 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 65, 46.381, 173.094

Background



This preview shows how black text looks on a background with the CIELCh color 65, 46.381, 173.094.

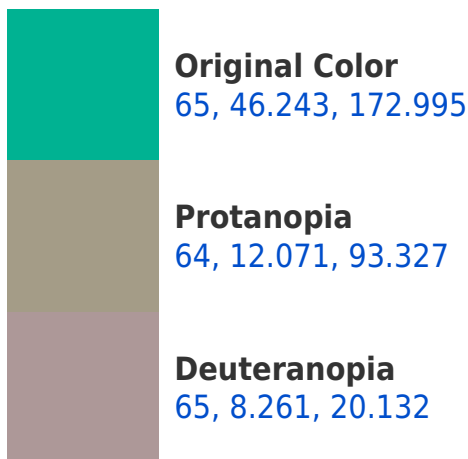



This preview shows how white text looks on a background with the CIELCh color 65, 46.381, 173.094.

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
65, 32.552, 210.950

Trichromacy



Original Color
65, 46.243, 172.995



Protanomaly
63, 26.146, 164.801



Deuteranomaly
63, 19.963, 177.908



Tritanomaly
65, 36.512, 193.813

Monochromacy



Original Color
65, 46.243, 172.995



Achromatopsia
51, 0.007, 296.813



Achromatomaly
55, 23.873, 180.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 46.381, 173.094 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, 178, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 146)  
}
```

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, 178, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 46.381, 173.094 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, 178, 146) }
```

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

```
.border{ border-color:rgb(0, 178, 146) }
```

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

Here you see how a box with a 4 pixel rgb(0, 178, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 46.381, 173.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 146) }
```

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

```
.background{ background-color: rgb(0, 178,  
146) }
```

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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