

Converting Colors

CIELCh(64, 52.294, 163.291)

Have a look what the booklet for
CIELCh(64, 52.294, 163.291)
contains.

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Color

CIELCh(64, 52.405, 163.307)

Conversions

Conversions Part 1

Format	Color
Hex	00B17F
RGB	0, 177, 127
RGB Percent	0%, 69%, 50%
CMY	0.9989, 0.3075, 0.5035
CMYK	1.00, 0.00, 0.28, 0.31
HSL	163°, 100%, 35%
HSV	163°, 100%, 69%
XYZ	19.4475, 32.8017, 25.2518
YIQ	118.3770, -89.4420, -53.0740

Conversions

Conversions Part 2

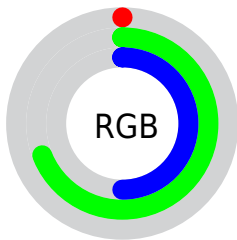
Format	Color
RYB	0, 103, 177
Decimal	45439
CIELab	64.00, -50.20, 15.05
CIELCh	64, 52.405, 163.307
Yxy	32.8017, 0.2509, 0.4232
Android (android.graphics.Color)	4278235519 (0xFF00B17F)
YUV	118.3770, 4.2511, -103.8166
Hunter-Lab	57.2727, -39.6159, 13.9497

Details

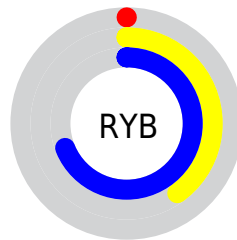
The CIELCh color **64, 52.405, 163.307** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **37, 66.969, 22.309**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 52.591, 163.321**, and **45, 43.989, 157.875** is the 20% darker color. If you saturate the color by 10%, you get **64, 52.444, 163.276**, and if you desaturate by 10%, it is **64, 49.837, 165.336**.

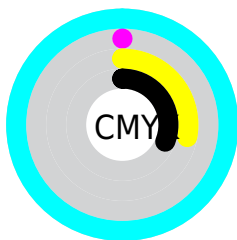
Distribution



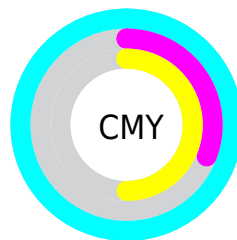
- Red (0%)
- Green (69%)
- Blue (50%)



- Red (0%)
- Yellow (40%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 52.405, 163.307 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 64, 52.405, 163.307 by changing the saturation by 10% instead.

 64, 52.405,
163.307


 64, 52.405,
163.307


 100, 52.405,
163.307


 54, 52.405,
163.307


 84, 52.405,
163.307

 44, 52.405,
163.307

 94, 52.405,
163.307

 34, 52.405,
163.307

 24, 52.405,
163.307

 14, 52.405,
163.307

 4, 52.405, 163.307

 0, 52.405, 163.307

■ 64, 52.405,
163.307

■ 64, 52.405,
163.307

■ 64, 52.444,
163.276

■ 64, 49.837,
165.336

■ 65, 46.705,
167.235

■ 65, 42.839,
168.942

■ 66, 38.237,
170.473

■ 66, 32.951,
171.848

■ 67, 27.073,
173.094

■ 68, 20.712,
174.232

■ 69, 13.988,

175.285

■ 71, 7.011, 176.286

Harmonies

Complementary

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



64, 52.405, 163.307



37, 66.969, 22.309

Rectangle

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



64, 52.405, 163.307



64, 52.405, 213.307



64, 52.405, 343.307



64, 52.405, 33.307

Sweetspot

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



64, 52.405, 163.306



86, 25.733, 174.158



63, 87.486, 133.101



45, 17.396, 173.699



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 52.405, 163.306



81, 64.196, 162.874



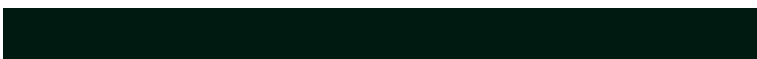
54, 33.326, 235.369



37, 4.071, 176.337



56, 46.997, 163.539



7, 10.546, 170.412

Inverse Universe

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



37, 66.969, 22.309



48, 82.079, 23.470



39, 75.134, 43.562



35, 4.187, 357.932



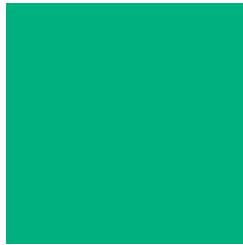
32, 60.068, 21.672



2, 9.646, 1.819

Previews

White Background



This preview shows how the CIELCh color 64, 52.405, 163.307 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 64, 52.405, 163.307 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 64, 52.405, 163.307

Background



This preview shows how black text looks on a background with the CIELCh color 64, 52.405, 163.307.

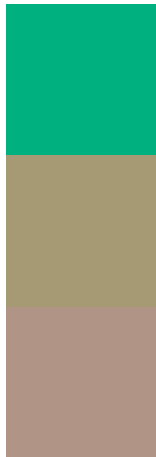


This preview shows how white text looks on a background with the CIELCh color 64, 52.405, 163.307.

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

64, 52.477, 163.350

Protanopia

64, 21.542, 95.413

Deuteranopia

63, 14.325, 55.612



Tritanopia
64, 30.984, 211.816

Trichromacy



Original Color
64, 52.477, 163.350



Protanomaly
62, 32.133, 150.011



Deuteranomaly
61, 23.268, 156.774



Tritanomaly
64, 36.948, 187.585

Monochromacy



Original Color
64, 52.477, 163.350



Achromatopsia
50, 0.007, 296.813



Achromatomaly
53, 25.337, 172.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 52.405, 163.307 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, 177, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 127)  
}
```

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, 177, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 52.405, 163.307 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, 177, 127) }
```

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

```
.border{ border-color:rgb(0, 177, 127) }
```

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

Here you see how a box with a 4 pixel rgb(0, 177, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 52.405, 163.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 127) }
```

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

```
.background{ background-color: rgb(0, 177,  
127) }
```

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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