

Converting Colors

CIELCh(61, 74.193, 171.416)

Have a look what the booklet for
CIELCh(61, 74.193, 171.416)
contains.

CIELCh(64, 52.356, 163.227)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 52.356, 163.227)

Conversions

Conversions Part 1

Format	Color
Hex	02B17F
RGB	2, 177, 127
RGB Percent	1%, 69%, 50%
CMY	0.9911, 0.3076, 0.5039
CMYK	0.99, 0.00, 0.28, 0.31
HSL	163°, 97%, 35%
HSV	163°, 99%, 69%
XYZ	19.4610, 32.8017, 25.2174
YIQ	118.9750, -88.2500, -52.6500

Conversions

Conversions Part 2

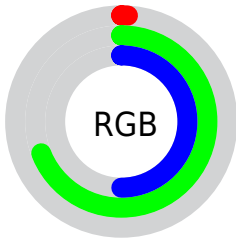
Format	Color
RYB	2, 104, 177
Decimal	176511
CIELab	64.00, -50.13, 15.11
CIELCh	64, 52.356, 163.227
Yxy	32.8017, 0.2512, 0.4234
Android (android.graphics.Color)	4278366591 (0xFF02B17F)
YUV	118.9750, 3.9563, -102.5871
Hunter-Lab	57.2727, -39.5740, 13.9854

Details

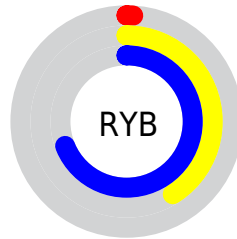
The CIELCh color **64, 52.356, 163.227** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **37, 66.389, 21.408**, and the grayscale version is **50, 0.007, 296.813**.

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, 52.686, 162.970**, and if you desaturate by 10%, it is **64, 49.724, 165.265**.

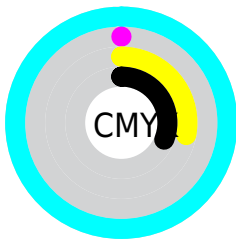
Distribution



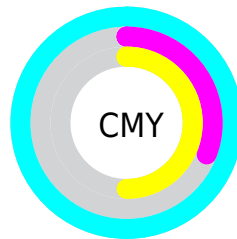
- Red (1%)
- Green (69%)
- Blue (50%)



- Red (1%)
- Yellow (41%)
- Blue (69%)



- Cyan (99%)
- Magenta (0%)
- Yellow (28%)
- Black (31%)



- Cyan (99%)
- Magenta (31%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 52.356, 163.227 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, 52.356, 163.227 by changing the saturation by 10% instead.

 64, 52.356,
163.227

 64, 52.356,
163.227


 100, 52.356,
163.227


 54, 52.356,
163.227


 84, 52.356,
163.227

 44, 52.356,
163.227

 94, 52.356,
163.227

 34, 52.356,
163.227

 24, 52.356,
163.227

 14, 52.356,
163.227

 4, 52.356, 163.227

 0, 52.356, 163.227

■ 64, 52.356,
163.227

■ 64, 52.356,
163.227

■ 64, 52.686,
162.970

■ 64, 49.724,
165.265

■ 65, 46.481,
167.150

■ 65, 42.502,
168.843

■ 66, 37.791,
170.361

■ 66, 32.406,
171.725

■ 67, 26.443,
172.961

■ 68, 20.013,
174.090

■ 69, 13.235,

175.137

■ 71, 6.221, 176.137

Harmonies

Complementary

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



64, 52.356, 163.227



37, 66.389, 21.408

Rectangle

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



64, 52.356, 163.227



64, 52.356, 213.227



64, 52.356, 343.227



64, 52.356, 33.227

Sweetspot

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



64, 52.356, 163.226



86, 25.800, 173.893



63, 87.097, 133.047



45, 17.443, 173.433



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, 52.356, 163.226



81, 64.504, 162.567



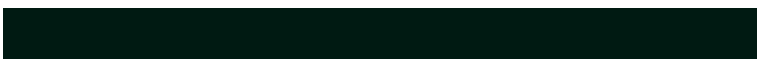
54, 33.225, 234.962



37, 4.079, 176.075



56, 47.216, 163.235



7, 10.575, 170.141

Inverse Universe

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



37, 66.389, 21.408



48, 81.913, 23.140



39, 74.337, 43.428



35, 4.194, 357.670



32, 59.960, 21.343



2, 9.658, 1.603

Previews

White Background



This preview shows how the CIELCh color 64, 52.356, 163.227 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, 52.356, 163.227 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, 52.356, 163.227

Background



This preview shows how black text looks on a background with the CIELCh color 64, 52.356, 163.227.

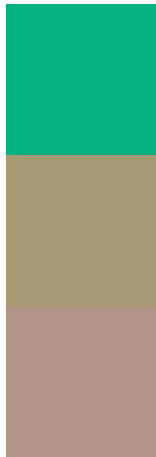


This preview shows how white text looks on a background with the CIELCh color 64, 52.356, 163.227.

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, 52.405, 163.307

Protanopia

64, 21.542, 95.413

Deuteranopia

63, 14.325, 55.612



Tritanopia
64, 30.837, 211.899

Trichromacy



Original Color
64, 52.405, 163.307



Protanomaly
62, 31.896, 149.598



Deuteranomaly
61, 23.002, 156.246



Tritanomaly
64, 36.843, 187.568

Monochromacy



Original Color
64, 52.405, 163.307



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 25.064, 172.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 52.356, 163.227 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, 177, 127)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 177, 127) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 64, 52.356, 163.227 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, 177, 127) }
```

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

```
.border{ border-color:rgb(2, 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(2, 177, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(2, 177, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(2, 177, 127); box-shadow:4px 4px 4px 4px rgb(2, 177, 127) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 52.356, 163.227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 177, 127) }
```

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

```
.background{ background-color: rgb(2, 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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