

Converting Colors

CIELCh(64, 52.540, 157.886)

Have a look what the booklet for
CIELCh(64, 52.540, 157.886)
contains.

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Color

CIELCh(64, 52.620, 157.790)

Conversions

Conversions Part 1

Format	Color
Hex	2BB076
RGB	43, 176, 118
RGB Percent	17%, 69%, 46%
CMY	0.8323, 0.3104, 0.5378
CMYK	0.76, 0.00, 0.33, 0.31
HSL	154°, 61%, 43%
HSV	154°, 76%, 69%
XYZ	19.7422, 32.8017, 22.3853
YIQ	129.6210, -60.6500, -46.2340

Conversions

Conversions Part 2

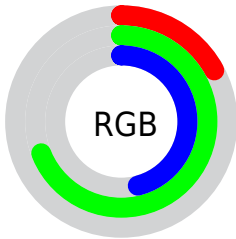
Format	Color
RYB	43, 128, 176
Decimal	2863222
CIELab	64.00, -48.72, 19.89
CIElCh	64, 52.620, 157.790
Yxy	32.8017, 0.2635, 0.4378
Android (android.graphics.Color)	4281053302 (0xFF2BB076)
YUV	129.6210, -5.7292, -75.9666
Hunter-Lab	57.2727, -38.6975, 16.9171

Details

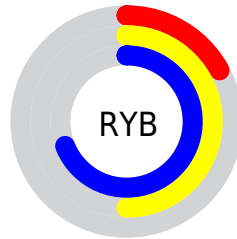
The CIELCh color **64, 52.620, 157.790** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **41, 56.939, 358.697**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 52.952, 157.460**, and **45, 47.264, 153.593** is the 20% darker color. If you saturate the color by 10%, you get **64, 57.252, 155.809**, and if you desaturate by 10%, it is **65, 47.257, 159.562**.

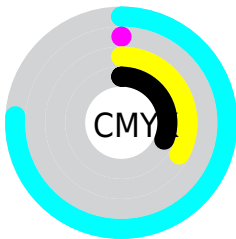
Distribution



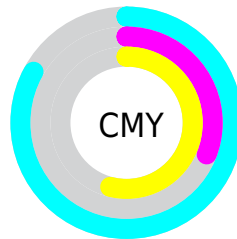
- Red (17%)
- Green (69%)
- Blue (46%)



- Red (17%)
- Yellow (50%)
- Blue (69%)



- Cyan (76%)
- Magenta (0%)
- Yellow (33%)
- Black (31%)





- Cyan (83%)
- Magenta (31%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 52.620, 157.790 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, 52.620, 157.790 by changing the saturation by 10% instead.

 64, 52.620,
157.790


 64, 52.620,
157.790


 100, 52.620,
157.790


 54, 52.620,
157.790


 84, 52.620,
157.790

 44, 52.620,
157.790

 94, 52.620,
157.790

 34, 52.620,
157.790

 24, 52.620,
157.790

 14, 52.620,
157.790

 4, 52.620, 157.790

 0, 52.620, 157.790

■ 64, 52.620,
157.790

■ 64, 52.620,
157.790

■ 64, 57.252,
155.809

■ 65, 47.257,
159.562

■ 63, 61.180,
153.634

■ 65, 41.206,
161.136

■ 63, 62.772,
152.706

■ 66, 34.557,
162.533

■ 67, 27.430,
163.777

■ 68, 19.955,
164.892

■ 69, 12.256,
165.905

■ 71, 4.444, 166.870

■ 72, 3.388, 347.500

■ 74, 11.166,
348.349

Harmonies

Complementary

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



64, 52.620, 157.790



41, 56.939, 358.697

Rectangle

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



64, 52.620, 157.790



64, 52.620, 207.790



64, 52.620, 337.790



64, 52.620, 27.790

Sweetspot

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



64, 52.620, 157.790



87, 22.235, 165.130



65, 72.256, 128.020



46, 15.330, 164.757



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, 52.620, 157.790



81, 73.265, 154.319



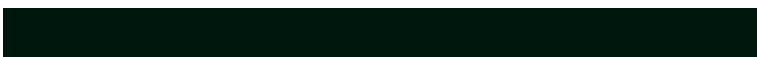
63, 33.273, 203.229



36, 4.382, 166.516



55, 55.625, 153.019



6, 9.919, 162.032

Inverse Universe

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



41, 56.939, 358.697



50, 76.294, 4.743



41, 60.945, 34.026



34, 4.453, 348.023



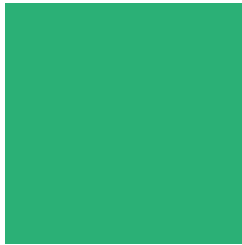
32, 56.956, 7.325



2, 8.830, 352.232

Previews

White Background



This preview shows how the CIELCh color 64, 52.620, 157.790 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, 52.620, 157.790 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, 52.620, 157.790

Background



This preview shows how black text looks on a background with the CIELCh color 64, 52.620, 157.790.

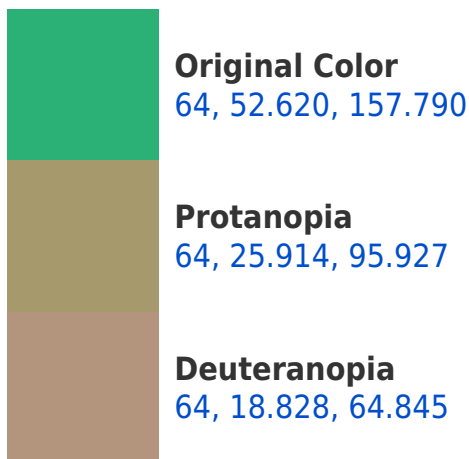



This preview shows how white text looks on a background with the CIELCh color 64, 52.620, 157.790.

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
64, 28.503, 213.320

Trichromacy



Original Color
64, 52.620, 157.790



Protanomaly
63, 32.184, 137.765



Deuteranomaly
62, 23.184, 137.853



Tritanomaly
64, 33.904, 185.091

Monochromacy



Original Color
64, 52.620, 157.790



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.837, 164.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 52.620, 157.790 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(43, 176, 118)` looks like.

```
.text, #text, p{  
    color:rgb(43, 176, 118)  
}
```

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(43, 176, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 176, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 52.620, 157.790 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(43, 176, 118) }
```

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

```
.border{ border-color:rgb(43, 176, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 176, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 176, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 176, 118);  
box-shadow:4px 4px 4px 4px rgb(43, 176,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 52.620, 157.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 176, 118) }
```

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

```
.background{ background-color: rgb(43, 176,  
118) }
```

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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