

Converting Colors

CIELCh(63, 67.404, 154.793)

Have a look what the booklet for
CIELCh(63, 67.404, 154.793)
contains.

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Color

CIELCh(64, 63.440, 152.409)

Conversions

Conversions Part 1

Format	Color
Hex	04B264
RGB	4, 178, 100
RGB Percent	2%, 70%, 39%
CMY	0.9833, 0.3018, 0.6081
CMYK	0.98, 0.00, 0.44, 0.30
HSL	153°, 95%, 36%
HSV	153°, 98%, 70%
XYZ	18.2779, 32.8017, 17.4076
YIQ	117.0820, -78.6660, -61.1460

Conversions

Conversions Part 2

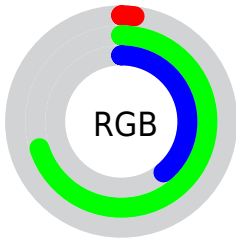
Format	Color
RYB	4, 116, 178
Decimal	307812
CIELab	64.00, -56.23, 29.38
CIELCh	64, 63.440, 152.409
Yxy	32.8017, 0.2669, 0.4789
Android (android.graphics.Color)	4278497892 (0xFF04B264)
YUV	117.0820, -8.4214, -99.1729
Hunter-Lab	57.2727, -43.2611, 22.0701

Details

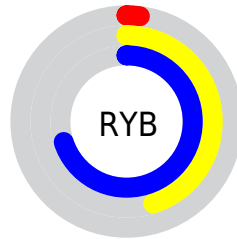
The CIELCh color **64, 63.440, 152.409** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **38, 64.035, 5.697**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 63.322, 152.481**, and **45, 55.460, 146.272** is the 20% darker color. If you saturate the color by 10%, you get **64, 64.351, 151.900**, and if you desaturate by 10%, it is **64, 59.481, 154.604**.

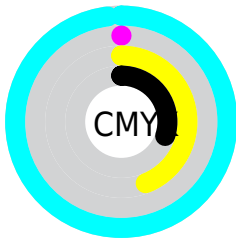
Distribution



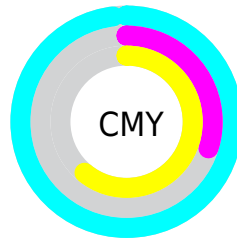
- Red (2%)
- Green (70%)
- Blue (39%)



- Red (2%)
- Yellow (45%)
- Blue (70%)



- Cyan (98%)
- Magenta (0%)
- Yellow (44%)
- Black (30%)



- Cyan (98%)
- Magenta (30%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 63.440, 152.409 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, 63.440, 152.409 by changing the saturation by 10% instead.

 64, 63.440,
152.409

 64, 63.440,
152.409

 100, 63.440,
152.409


 54, 63.440,
152.409


 84, 63.440,
152.409

 44, 63.440,
152.409

 94, 63.440,
152.409

 34, 63.440,
152.409

 24, 63.440,
152.409

 14, 63.440,
152.409

 4, 63.440, 152.409

 0, 63.440, 152.409

■ 64, 63.440,
152.409

■ 64, 63.440,
152.409

■ 64, 64.351,
151.900

■ 64, 59.481,
154.604

■ 65, 54.847,
156.632

■ 65, 49.468,
158.450

■ 66, 43.380,
160.065

■ 67, 36.668,
161.496

■ 68, 29.453,
162.768

■ 69, 21.865,
163.903

■ 70, 14.033,

164.929

■ 71, 6.073, 165.885

Harmonies

Complementary

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



64, 63.440, 152.409



38, 64.035, 5.697

Rectangle

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



64, 63.440, 152.409



64, 63.440, 202.409



64, 63.440, 332.409



64, 63.440, 22.409

Sweetspot

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



64, 63.440, 152.409



87, 28.439, 163.697



65, 83.786, 129.353



46, 19.583, 163.223



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 63.440, 152.409



81, 79.131, 151.467



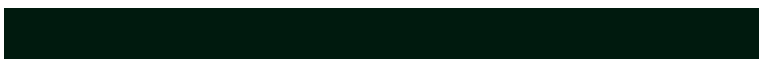
63, 35.718, 204.491



37, 4.531, 165.722



56, 57.210, 152.200



7, 11.887, 160.541

Inverse Universe

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



38, 64.035, 5.697



50, 78.625, 7.643



37, 77.744, 39.832



35, 4.601, 347.221



32, 57.660, 6.092



2, 10.323, 352.662

Previews

White Background



This preview shows how the CIELCh color 64, 63.440, 152.409 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, 63.440, 152.409 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, 63.440, 152.409

Background



This preview shows how black text looks on a background with the CIELCh color 64, 63.440, 152.409.



This preview shows how white text looks on a background with the CIELCh color 64, 63.440, 152.409.

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, 63.404, 152.444

Protanopia

64, 35.111, 95.505

Deuteranopia

63, 27.767, 72.206



Tritanopia
64, 29.728, 211.401

Trichromacy



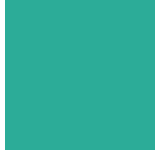
Original Color
64, 63.404, 152.444



Protanomaly
62, 43.599, 136.003



Deuteranomaly
61, 33.845, 134.777



Tritanomaly
64, 38.634, 179.290

Monochromacy



Original Color
64, 63.404, 152.444



Achromatopsia
49, 0.007, 296.813



Achromatomaly
53, 28.572, 162.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 63.440, 152.409 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(4, 178, 100)` looks like.

```
.text, #text, p{  
    color:rgb(4, 178, 100)  
}
```

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(4, 178, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 178, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 63.440, 152.409 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(4, 178, 100) }
```

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

```
.border{ border-color:rgb(4, 178, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 178, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 178, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 178, 100);  
box-shadow:4px 4px 4px 4px rgb(4, 178,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 63.440, 152.409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 178, 100) }
```

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

```
.background{ background-color: rgb(4, 178,  
100) }
```

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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