

Converting Colors

CIELCh(64, 64.785, 150.880)

Have a look what the booklet for
CIELCh(64, 64.785, 150.880)
contains.

CIELCh(64, 64.677, 150.950)	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, 64.677, 150.950)

Conversions

Conversions Part 1

Format	Color
Hex	0DB260
RGB	13, 178, 96
RGB Percent	5%, 70%, 38%
CMY	0.9480, 0.3017, 0.6233
CMYK	0.93, 0.00, 0.46, 0.30
HSL	150°, 86%, 38%
HSV	150°, 93%, 70%
XYZ	18.2182, 32.8017, 16.4525
YIQ	119.3170, -72.0180, -60.4820

Conversions

Conversions Part 2

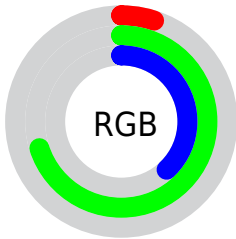
Format	Color
RYB	13, 123, 178
Decimal	897632
CIELab	64.00, -56.54, 31.41
CIELCh	64, 64.677, 150.950
Yxy	32.8017, 0.2700, 0.4861
Android (android.graphics.Color)	4279087712 (0xFF0DB260)
YUV	119.3170, -11.4953, -93.2400
Hunter-Lab	57.2727, -43.4474, 23.0589

Details

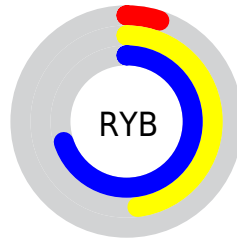
The CIELCh color **64, 64.677, 150.950** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **39, 63.729, 359.246**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 64.547, 151.010**, and **45, 57.064, 144.959** is the 20% darker color. If you saturate the color by 10%, you get **64, 67.754, 149.332**, and if you desaturate by 10%, it is **64, 60.063, 153.073**.

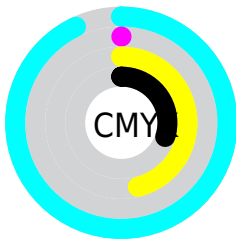
Distribution



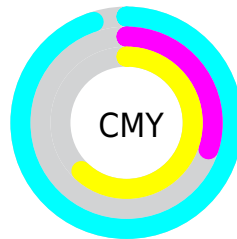
- Red (5%)
- Green (70%)
- Blue (38%)



- Red (5%)
- Yellow (48%)
- Blue (70%)



- Cyan (93%)
- Magenta (0%)
- Yellow (46%)
- Black (30%)





- Cyan (95%)
- Magenta (30%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 64.677, 150.950 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, 64.677, 150.950 by changing the saturation by 10% instead.


 64, 64.677,
150.950


 64, 64.677,
150.950


 100, 64.677,
150.950


 54, 64.677,
150.950


 84, 64.677,
150.950

 44, 64.677,
150.950

 94, 64.677,
150.950

 34, 64.677,
150.950

 24, 64.677,
150.950

 14, 64.677,
150.950

 4, 64.677, 150.950

 0, 64.677, 150.950

■ 64, 64.677,
150.950

■ 64, 64.677,
150.950

■ 64, 67.754,
149.332

■ 64, 60.063,
153.073

■ 65, 54.691,
154.995

■ 65, 48.573,
156.709

■ 66, 41.783,
158.225

■ 67, 34.433,
159.564

■ 68, 26.659,
160.749

■ 69, 18.598,
161.806

■ 71, 10.376,

162.763

■ 72, 2.104, 163.753

Harmonies

Complementary

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



64, 64.677, 150.950



39, 63.729, 359.246

Rectangle

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



64, 64.677, 150.950



64, 64.677, 200.950



64, 64.677, 330.950



64, 64.677, 20.950

Sweetspot

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



64, 64.677, 150.950



87, 28.533, 161.194



65, 80.797, 127.274



46, 19.787, 160.726



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, 64.677, 150.950



81, 83.331, 148.902



66, 37.815, 196.421



37, 4.689, 163.059



55, 60.213, 149.632



7, 12.276, 158.399

Inverse Universe

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



39, 63.729, 359.246



50, 78.803, 2.928



37, 75.722, 37.871



35, 4.749, 344.504



32, 57.925, 1.541



2, 10.590, 349.997

Previews

White Background



This preview shows how the CIELCh color 64, 64.677, 150.950 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, 64.677, 150.950 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, 64.677, 150.950

Background



This preview shows how black text looks on a background with the CIELCh color 64, 64.677, 150.950.

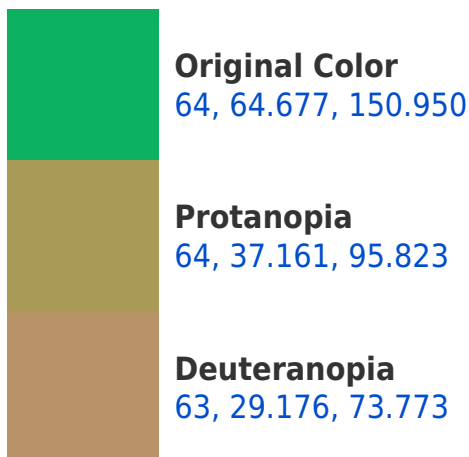


This preview shows how white text looks on a background with the CIELCh color 64, 64.677, 150.950.

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, 29.205, 212.874

Trichromacy



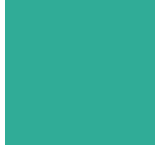
Original Color
64, 64.677, 150.950



Protanomaly
62, 44.868, 133.481



Deuteranomaly
61, 34.745, 131.876



Tritanomaly
64, 38.394, 178.332

Monochromacy



Original Color
64, 64.677, 150.950



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 27.930, 160.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 64.677, 150.950 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(13, 178, 96)` looks like.

```
.text, #text, p{  
    color:rgb(13, 178, 96)  
}
```

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(13, 178, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 178, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 64.677, 150.950 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(13, 178, 96) }
```

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

```
.border{ border-color:rgb(13, 178, 96) }
```

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

Here you see how a box with a 4 pixel rgb(13, 178, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 178, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 178, 96);  
box-shadow:4px 4px 4px 4px rgb(13, 178,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 64.677, 150.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 178, 96) }
```

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

```
.background{ background-color: rgb(13, 178,  
96) }
```

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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