

Converting Colors

CIELCh(64, 77.893, 142.938)

Have a look what the booklet for
CIELCh(64, 77.893, 142.938)
contains.

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Color

CIELCh(64, 77.638, 143.003)

Conversions

Conversions Part 1

Format	Color
Hex	06B340
RGB	6, 179, 64
RGB Percent	2%, 70%, 25%
CMY	0.9780, 0.2966, 0.7476
CMYK	0.97, 0.00, 0.64, 0.30
HSL	140°, 94%, 36%
HSV	140°, 97%, 70%
XYZ	17.2013, 32.8017, 10.3277
YIQ	114.1630, -66.1930, -72.4410

Conversions

Conversions Part 2

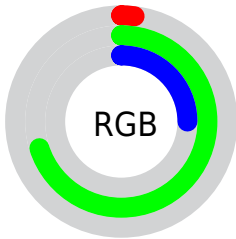
Format	Color
RYB	6, 136, 179
Decimal	439104
CIELab	64.00, -62.01, 46.72
CIELCh	64, 77.638, 143.003
Yxy	32.8017, 0.2851, 0.5437
Android (android.graphics.Color)	4278629184 (0xFF06B340)
YUV	114.1630, -24.7304, -94.8590
Hunter-Lab	57.2727, -46.6165, 29.3994

Details

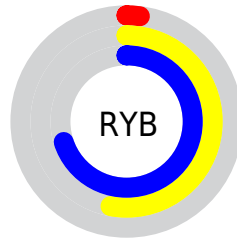
The CIELCh color **64, 77.638, 143.003** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **40, 69.077, 347.045**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **84, 77.534, 142.887**, and **45, 69.930, 136.428** is the 20% darker color. If you saturate the color by 10%, you get **64, 79.105, 142.417**, and if you desaturate by 10%, it is **64, 72.542, 145.005**.

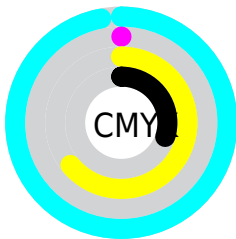
Distribution



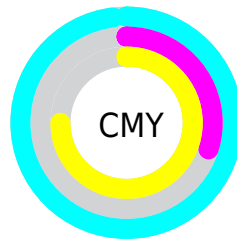
- Red (2%)
- Green (70%)
- Blue (25%)



- Red (2%)
- Yellow (53%)
- Blue (70%)



- Cyan (97%)
- Magenta (0%)
- Yellow (64%)
- Black (30%)





- Cyan (98%)
- Magenta (30%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 77.638, 143.003 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, 77.638, 143.003 by changing the saturation by 10% instead.

 64, 77.638,
143.003


 64, 77.638,
143.003


 100, 77.638,
143.003

 54, 77.638,
143.003


 84, 77.638,
143.003

 44, 77.638,
143.003

 94, 77.638,
143.003

 34, 77.638,
143.003

 24, 77.638,
143.003

 14, 77.638,
143.003

 4, 77.638, 143.003

 0, 77.638, 143.003

■ 64, 77.638,
143.003

■ 64, 77.638,
143.003

■ 64, 79.105,
142.417

■ 64, 72.542,
145.005

■ 65, 66.508,
146.901

■ 65, 59.561,
148.625

■ 66, 51.808,
150.159

■ 67, 43.394,
151.508

■ 68, 34.489,
152.685

■ 69, 25.261,
153.713

■ 70, 15.866,

154.615

■ 72, 6.436, 155.430

Harmonies

Complementary

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



64, 77.638, 143.003



40, 69.077, 347.045

Rectangle

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



64, 77.638, 143.003



64, 77.638, 193.003



64, 77.638, 323.003



64, 77.638, 13.003

Sweetspot

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



64, 77.638, 143.003



87, 33.583, 153.457



67, 78.405, 121.132



46, 23.182, 153.026



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, 77.638, 143.003



81, 96.728, 142.046



65, 45.260, 174.895



37, 5.292, 155.234



55, 69.902, 142.698



7, 13.529, 152.761

Inverse Universe

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



40, 69.077, 347.045



51, 83.759, 348.174



38, 71.185, 30.281



35, 5.324, 336.481



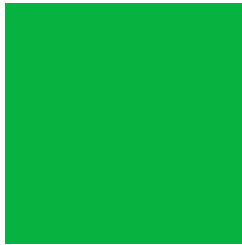
33, 61.780, 347.402



2, 11.836, 340.844

Previews

White Background



This preview shows how the CIELCh color 64, 77.638, 143.003 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, 77.638, 143.003 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, 77.638, 143.003

Background



This preview shows how black text looks on a background with the CIELCh color 64, 77.638, 143.003.



This preview shows how white text looks on a background with the CIELCh color 64, 77.638, 143.003.

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, 77.573, 142.953

Protanopia

63, 51.676, 95.367

Deuteranopia

64, 44.399, 79.535



Tritanopia
64, 28.503, 213.320

Trichromacy



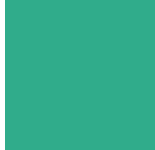
Original Color
64, 77.573, 142.953



Protanomaly
62, 58.166, 126.558



Deuteranomaly
61, 49.439, 123.230



Tritanomaly
63, 42.140, 169.944

Monochromacy



Original Color
64, 77.573, 142.953



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 34.343, 151.591

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 77.638, 143.003 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(6, 179, 64)` looks like.

```
.text, #text, p{  
    color:rgb(6, 179, 64)  
}
```

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(6, 179, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 179, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 77.638, 143.003 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(6, 179, 64) }
```

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

```
.border{ border-color:rgb(6, 179, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 179, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 179, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 179, 64);  
box-shadow:4px 4px 4px 4px rgb(6, 179, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 64, 77.638, 143.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 179, 64) }
```

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

```
.background{ background-color: rgb(6, 179,  
64) }
```

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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