

Converting Colors

CIELCh(64, 77.654, 142.983)

Have a look what the booklet for
CIELCh(64, 77.654, 142.983)
contains.

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Color

CIELCh(64, 77.573, 142.953)

Conversions

Conversions Part 1

Format	Color
Hex	08B340
RGB	8, 179, 64
RGB Percent	3%, 70%, 25%
CMY	0.9706, 0.2967, 0.7477
CMYK	0.96, 0.00, 0.64, 0.30
HSL	140°, 92%, 37%
HSV	140°, 96%, 70%
XYZ	17.2182, 32.8017, 10.3227
YIQ	114.7610, -65.0010, -72.0170

Conversions

Conversions Part 2

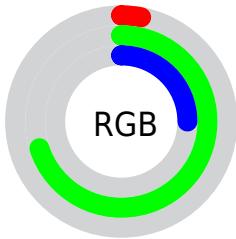
Format	Color
RYB	8, 137, 179
Decimal	570176
CIELab	64.00, -61.91, 46.74
CIElCh	64, 77.573, 142.953
Yxy	32.8017, 0.2853, 0.5436
Android (android.graphics.Color)	4278760256 (0xFF08B340)
YUV	114.7610, -25.0252, -93.6294
Hunter-Lab	57.2727, -46.5638, 29.4047

Details

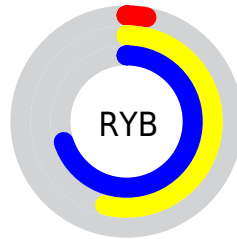
The CIELCh color **64, 77.573, 142.953** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **40, 69.296, 346.269**, and the grayscale version is **48, 0.006, 296.813**.

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, 79.543, 142.169**, and if you desaturate by 10%, it is **64, 72.372, 144.941**.

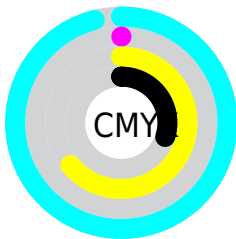
Distribution



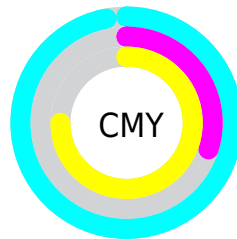
- Red (3%)
- Green (70%)
- Blue (25%)



- Red (3%)
- Yellow (54%)
- Blue (70%)



- Cyan (96%)
- Magenta (0%)
- Yellow (64%)
- Black (30%)




- Cyan (97%)
- Magenta (30%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 77.573, 142.953 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, 77.573, 142.953 by changing the saturation by 10% instead.

 64, 77.573,
142.953

 64, 77.573,
142.953


 100, 77.573,
142.953


 54, 77.573,
142.953


 84, 77.573,
142.953

 44, 77.573,
142.953

 94, 77.573,
142.953

 34, 77.573,
142.953

 24, 77.573,
142.953

 14, 77.573,
142.953

 4, 77.573, 142.953

 0, 77.573, 142.953

■ 64, 77.573,
142.953

■ 64, 77.573,
142.953

■ 64, 79.543,
142.169

■ 64, 72.372,
144.941

■ 65, 66.207,
146.811

■ 65, 59.127,
148.510

■ 66, 51.247,
150.019

■ 67, 42.720,
151.345

■ 68, 33.718,
152.502

■ 69, 24.411,
153.512

■ 71, 14.952,

154.398

■ 72, 5.473, 155.205

Harmonies

Complementary

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



64, 77.573, 142.953



40, 69.296, 346.269

Rectangle

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



64, 77.573, 142.953



64, 77.573, 192.953



64, 77.573, 322.953



64, 77.573, 12.953

Sweetspot

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



64, 77.573, 142.953



87, 33.775, 153.157



67, 77.708, 120.267



46, 23.316, 152.726



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, 77.573, 142.953



81, 97.271, 141.801



65, 45.999, 173.310



37, 5.321, 154.924



55, 70.301, 142.447



7, 13.585, 152.544

Inverse Universe

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



40, 69.296, 346.269



51, 84.118, 347.583



38, 69.879, 28.538



35, 5.352, 336.163



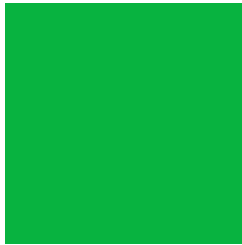
33, 62.045, 346.837



2, 11.905, 340.441

Previews

White Background



This preview shows how the CIELCh color 64, 77.573, 142.953 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, 77.573, 142.953 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, 77.573, 142.953

Background



This preview shows how black text looks on a background with the CIELCh color 64, 77.573, 142.953.



This preview shows how white text looks on a background with the CIELCh color 64, 77.573, 142.953.

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, 77.509, 142.903

Protanopia

63, 51.676, 95.367

Deuteranopia

64, 44.861, 79.739



Tritanopia
64, 28.477, 212.141

Trichromacy



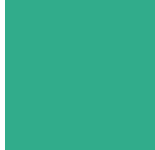
Original Color
64, 77.509, 142.903



Protanomaly
62, 58.007, 126.216



Deuteranomaly
61, 49.753, 122.592



Tritanomaly
63, 42.004, 169.867

Monochromacy



Original Color
64, 77.509, 142.903



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 33.681, 151.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 77.573, 142.953 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(8, 179, 64)` looks like.

```
.text, #text, p{  
    color:rgb(8, 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(8, 179, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 179, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 77.573, 142.953 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(8, 179, 64) }
```

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

```
.border{ border-color:rgb(8, 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(8, 179, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 179, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 179, 64);  
box-shadow:4px 4px 4px 4px rgb(8, 179, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 64, 77.573, 142.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 179, 64) }
```

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

```
.background{ background-color: rgb(8, 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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