

Converting Colors

CIELCh(64, 81.652, 126.843)

Have a look what the booklet for
CIELCh(64, 81.652, 126.843)
contains.

CIELCh(64, 81.520, 127.102)	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, 81.520, 127.102)

Conversions

Conversions Part 1

Format	Color
Hex	5CAF00
RGB	92, 175, 0
RGB Percent	36%, 69%, 0%
CMY	0.6405, 0.3149, 1.0000
CMYK	0.48, 0.00, 1.00, 0.31
HSL	89°, 100%, 34%
HSV	89°, 100%, 69%
XYZ	19.6503, 32.8017, 5.2759
YIQ	130.2330, 6.7070, -72.0210

Conversions

Conversions Part 2

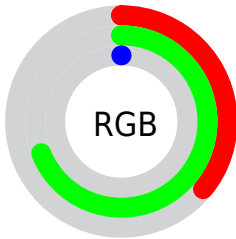
Format	Color
RYB	0, 175, 83
Decimal	6074112
CIELab	64.00, -49.18, 65.02
CIELCh	64, 81.520, 127.102
Yxy	32.8017, 0.3404, 0.5682
Android (android.graphics.Color)	4284264192 (0xFF5CAF00)
YUV	130.2330, -64.2049, -33.5303
Hunter-Lab	57.2727, -38.9838, 34.6292

Details

The CIELCh color **64, 81.520, 127.102** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **27, 94.431, 311.394**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 81.284, 127.093**, and **44, 67.682, 134.119** is the 20% darker color. If you saturate the color by 10%, you get **64, 81.442, 127.133**, and if you desaturate by 10%, it is **64, 78.028, 126.177**.

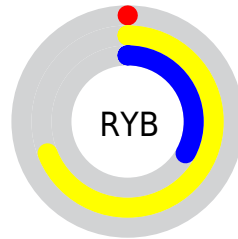
Distribution



Red (36%)

Green (69%)

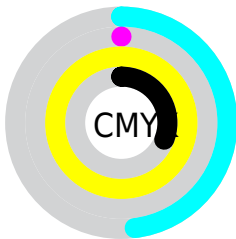
Blue (0%)



Red (0%)

Yellow (69%)

Blue (33%)

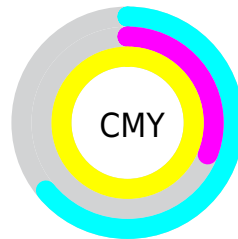


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (64%)


Magenta (31%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 81.520, 127.102 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, 81.520, 127.102 by changing the saturation by 10% instead.

 64, 81.520,
127.102


 64, 81.520,
127.102


 100, 81.520,
127.102


 54, 81.520,
127.102


 84, 81.520,
127.102

 44, 81.520,
127.102

 94, 81.520,
127.102

 34, 81.520,
127.102

 24, 81.520,
127.102

 14, 81.520,
127.102

 4, 81.520, 127.102

 0, 81.520, 127.102

■ 64, 81.520,
127.102

■ 64, 81.520,
127.102

■ 64, 81.442,
127.133

■ 64, 78.028,
126.177

■ 65, 73.034,
125.590

■ 65, 66.331,
125.426

■ 66, 58.325,
125.565

■ 67, 49.425,
125.893

■ 67, 39.952,
126.324

■ 68, 30.136,
126.801

■ 69, 20.136,

127.287

■ 70, 10.062,
127.762

Harmonies

Complementary

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



64, 81.520, 127.102



27, 94.431, 311.394

Rectangle

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



64, 81.520, 127.102



64, 81.520, 177.102



64, 81.520, 307.102



64, 81.520, 357.102

Sweetspot

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



64, 81.442, 127.133



86, 37.272, 126.775



46, 65.079, 58.097



46, 25.584, 126.576



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, 81.442, 127.133



81, 99.294, 127.420



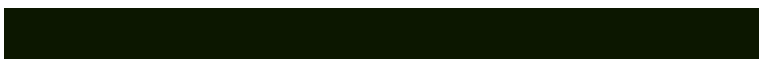
62, 90.019, 135.868



36, 5.661, 127.795



56, 72.821, 126.934



6, 12.234, 131.401

Inverse Universe

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



27, 94.431, 311.394



35, 115.043, 311.199



40, 87.169, 326.926



34, 5.741, 308.608



22, 84.478, 311.529



1, 11.784, 305.074

Previews

White Background



This preview shows how the CIELCh color 64, 81.520, 127.102 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, 81.520, 127.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

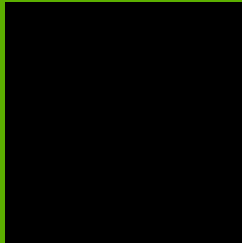
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 81.520, 127.102

Background



This preview shows how black text looks on a background with the CIELCh color 64, 81.520, 127.102.



This preview shows how white text looks on a background with the CIELCh color 64, 81.520, 127.102.

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, 81.520, 127.102

Protanopia
64, 67.439, 95.335

Deuteranopia
63, 61.193, 82.209



Tritanopia
64, 17.397, 223.006

Trichromacy



Original Color
64, 81.520, 127.102

Protanomaly
63, 69.613, 109.557

Deuteranomaly
63, 63.571, 102.805

Tritanomaly
63, 38.989, 144.021

Monochromacy



Original Color
64, 81.520, 127.102

Achromatopsia
54, 0.007, 296.813

Achromatomaly
57, 37.156, 126.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 81.520, 127.102 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(92, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(92, 175, 0)  
}
```

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(92, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 175, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 81.520, 127.102 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(92, 175, 0) }
```

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

```
.border{ border-color:rgb(92, 175, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(92, 175, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 64, 81.520, 127.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 175, 0) }
```

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

```
.background{ background-color: rgb(92, 175,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor