

Converting Colors

CIELCh(67, 60.359, 128.478)

Have a look what the booklet for
CIELCh(67, 60.359, 128.478)
contains.

CIELCh(67, 60.322, 128.721)	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(67, 60.322, 128.721)

Conversions

Conversions Part 1

Format	Color
Hex	77B349
RGB	119, 179, 73
RGB Percent	47%, 70%, 29%
CMY	0.5334, 0.2981, 0.7138
CMYK	0.34, 0.00, 0.59, 0.30
HSL	94°, 42%, 49%
HSV	94°, 59%, 70%
XYZ	24.9220, 36.6320, 12.0567
YIQ	148.9760, -1.7340, -45.6860

Conversions

Conversions Part 2

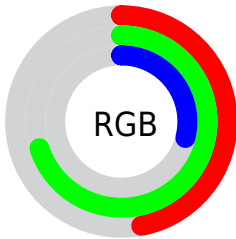
Format	Color
RYB	73, 179, 133
Decimal	7844681
CIELab	67.00, -37.73, 47.06
CIElCh	67, 60.322, 128.721
Yxy	36.6320, 0.3386, 0.4976
Android (android.graphics.Color)	4286034761 (0xFF77B349)
YUV	148.9760, -37.4562, -26.2890
Hunter-Lab	60.5244, -32.4171, 30.5562

Details

The CIELCh color $67, 60.322, 128.721$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $43, 64.817, 313.987$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 60.342, 128.774$, and $47, 60.350, 128.828$ is the 20% darker color. If you saturate the color by 10%, you get $66, 68.816, 128.519$, and if you desaturate by 10%, it is $68, 50.928, 129.093$.

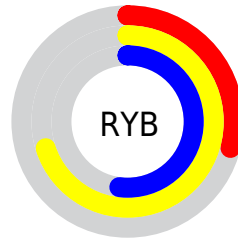
Distribution



Red (47%)

Green (70%)

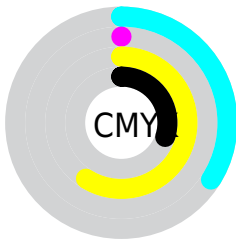
Blue (29%)



Red (29%)

Yellow (70%)

Blue (52%)

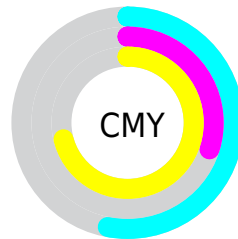


Cyan (34%)

Magenta (0%)

Yellow (59%)

Black (30%)



Cyan (53%)


Magenta (30%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 60.322, 128.721 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 67, 60.322, 128.721 by changing the saturation by 10% instead.


 67, 60.322,
128.721


 67, 60.322,
128.721


 100, 60.322,
128.721


 57, 60.322,
128.721


 87, 60.322,
128.721

 47, 60.322,
128.721

 97, 60.322,
128.721

 37, 60.322,
128.721

 27, 60.322,
128.721

 17, 60.322,
128.721

 7, 60.322, 128.721

 0, 60.322, 128.721

67, 60.322,
128.721

67, 60.322,
128.721

66, 68.816,
128.519

68, 50.928,
129.093

66, 75.989,
128.600

69, 40.962,
129.548

65, 81.412,
129.087

70, 30.661,
130.031

65, 85.084,
129.962

71, 20.191,
130.510

65, 85.349,
130.025

72, 9.670, 130.969

73, 0.820, 311.217

74, 11.220,
311.743

76, 21.489,
312.089

■ 77, 31.597,
312.396

Harmonies

Complementary

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



67, 60.322, 128.721



43, 64.817, 313.987

Rectangle

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



67, 60.322, 128.721



67, 60.322, 178.721



67, 60.322, 308.721



67, 60.322, 358.721

Sweetspot

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



67, 60.323, 128.722



89, 23.348, 130.553



58, 40.054, 72.822



48, 16.356, 130.417



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 60.323, 128.722



84, 86.362, 128.508



65, 66.046, 140.619



37, 5.924, 130.965



56, 75.869, 129.830



7, 14.711, 134.585

Inverse Universe

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



43, 64.817, 313.987



49, 94.121, 314.308



49, 65.235, 328.949



35, 5.993, 311.721



25, 83.908, 313.668



2, 14.006, 307.466

Previews

White Background



This preview shows how the CIELCh color 67, 60.322, 128.721 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 67, 60.322, 128.721 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 67, 60.322, 128.721

Background



This preview shows how black text looks on a background with the CIELCh color 67, 60.322, 128.721.



This preview shows how white text looks on a background with the CIELCh color 67, 60.322, 128.721.

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
67, 60.322, 128.721

Protanopia
67, 50.652, 95.665

Deuteranopia
67, 45.859, 79.488



Tritanopia
67, 13.282, 231.548

Trichromacy



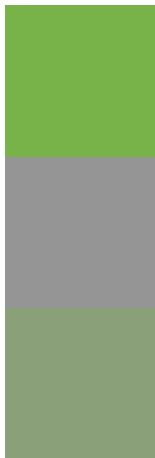
Original Color
67, 60.322, 128.721

Protanomaly
67, 51.823, 110.150

Deuteranomaly
66, 46.265, 101.424

Tritanomaly
67, 23.350, 152.464

Monochromacy



Original Color
67, 60.322, 128.721

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 23.349, 130.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 60.322, 128.721 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(119, 179, 73)` looks like.

```
.text, #text, p{  
    color:rgb(119, 179, 73)  
}
```

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(119, 179, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 179, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 60.322, 128.721 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(119, 179, 73) }
```

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

```
.border{ border-color:rgb(119, 179, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 179, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 179, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 179, 73);  
box-shadow:4px 4px 4px 4px rgb(119, 179,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 60.322, 128.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 179, 73) }
```

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

```
.background{ background-color: rgb(119,  
179, 73) }
```

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