Converting Colors

CIELCh(73, 67.340, 136.021)

Have a look what the booklet for CIELCh(73, 67.340, 136.021) contains.

Color

CIELCh(73, 67.640, 136.020)

Conversions

Conversions Part 1

Format	Color
Hex	6CC858
RGB	108, 200, 88
RGB Percent	42%, 78%, 35%
CMY	0.5767, 0.2159, 0.6551
CMYK	0.46, 0.00, 0.56, 0.22
HSL	109°, 50%, 56%
HSV	109°, 56%, 78%
XYZ	28.5733, 45.1644, 16.4307
YIQ	159.7240, -18.8800, -54.3360

Conversions

Conversions Part 2

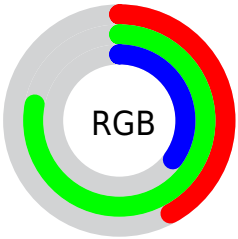
Format	Color
RYB	88, 200, 180
Decimal	7129176
CIELab	73.00, -48.67, 46.97
CIELCh	73, 67.640, 136.020
Yxy	45.1644, 0.3169, 0.5009
Android (android.graphics.Color)	4285319256 (0xFF6CC858)
YUV	159.7240, -35.3599, -45.3619
Hunter-Lab	67.2044, -41.7149, 32.5474

Details

The CIELCh color 73, 67.640, 136.020 is a dark color, and the websafe version is hex 66CC66. The color can be described as dark muted chartreuse. A complement of this color would be 53, 68.729, 321.769, and the grayscale version is 66, 0.008, 296.813.

A 20% lighter version of the original color is 92, 66.167, 135.947, and 53, 67.423, 136.054 is the 20% darker color. If you saturate the color by 10%, you get 72, 77.815, 135.366, and if you desaturate by 10%, it is 74, 56.407, 136.733.

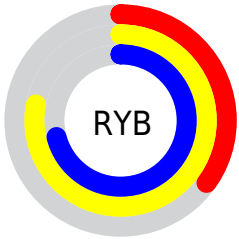
Distribution



Red (42%)

Green (78%)

Blue (35%)



Red (35%)

Yellow (78%)

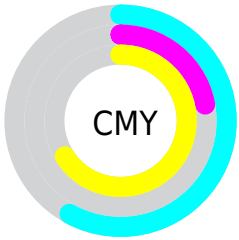
Blue (71%)

Cyan (46%)

Magenta (0%)

Yellow (56%)

Black (22%)



Cyan (58%)

Magenta (22%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 67.640, 136.020 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 73, 67.640, 136.020 by changing the saturation by 10% instead.

73, 67.640, 136.020

100, 67.640, 136.020

93, 67.640, 136.020

73, 67.640, 136.020

63, 67.640, 136.020

53, 67.640, 136.020

43, 67.640, 136.020

33, 67.640, 136.020

23, 67.640, 136.020

13, 67.640, 136.020

3, 67.640, 136.020

0, 67.640, 136.020

73, 67.640, 136.020

72, 77.815, 135.366

72, 86.437, 134.874

71, 92.981, 134.674

71, 97.091, 134.857

71, 98.284, 134.940

73, 67.640, 136.020

74, 56.407, 136.733

75, 44.505, 137.433

76, 32.232, 138.085

78, 19.810, 138.673

80, 7.400, 139.204

81, 4.881, 319.576

83, 16.951,

319.991

85, 28.757, 320.323

87, 34.536, 325.625

Harmonies

Complementary

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

73, 67.640, 136.020

53, 68.729, 321.769

Rectangle

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

73, 67.640, 136.020

73, 67.640, 186.020

73, 67.640, 316.020

73, 67.640, 6.020

Sweetspot

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

73, 67.641, 136.021

97, 25.629, 138.604

73, 48.813, 94.820

51, 17.152, 138.488

0, 0.000, 0.000

53, 0.007, 296.813

Same Dimension

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

73, 67.641, 136.021

90, 95.643, 135.253

73, 56.754, 149.390

41, 6.963, 139.029

59, 84.392, 134.812

11, 25.299, 140.071

Inverse Universe

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

53, 68.729, 321.769

61, 96.918, 322.012

54, 57.078, 339.569

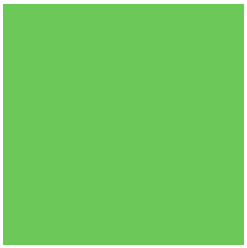
39, 6.998, 319.851

33, 84.062, 321.525

4, 24.698, 319.390

Previews

White Background

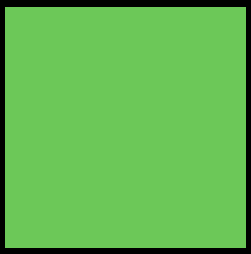


This preview shows how the CIELCh color 73, 67.640, 136.020 looks on a white background.

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 73, 67.640, 136.020 looks on a black background.

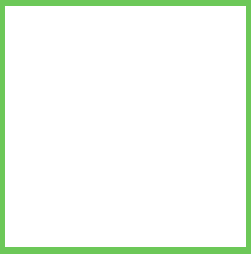
Color Contrast Check

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 73, 67.640, 136.020 Background

This preview shows how black text looks on a background with the CIELCh color 73, 67.640, 136.020.

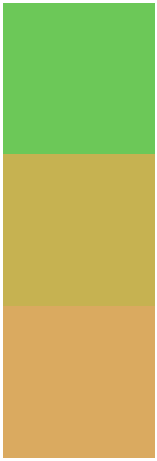


This preview shows how white text looks on a background with the CIELCh color 73, 67.640, 136.020.

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
73, 67.640, 136.020

Protanopia
73, 51.375, 95.261

Deuteranopia
73, 45.371, 78.405

Tritanopia
73, 20.190, 222.094

Trichromacy

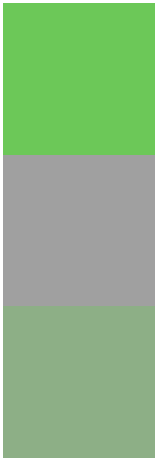
Original Color
73, 67.640, 136.020

Protanomaly
72, 53.418, 114.699

Deuteranomaly
72, 46.167, 107.205

Tritanomaly
73, 30.242, 163.253

Monochromacy



Original Color
73, 67.640, 136.020

Achromatopsia
66, 0.008, 296.813

Achromatomaly
68, 26.106, 138.474

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 67.640, 136.020 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(108, 200, 88) looks like.

```
.text, #text, p{
    color:rgb(108, 200, 88)
}
```

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(108, 200, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 200, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 67.640, 136.020 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(108, 200, 88) }
```

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

```
.border{ border-color:rgb(108, 200, 88) }
```

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

Here you see how a box with a 4 pixel rgb(108, 200, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 200, 88); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 200, 88); box-shadow:4px 4px 4px 4px rgb(108, 200, 88) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 67.640, 136.020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(108, 200, 88) }
```

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

```
.background{ background-color:rgb(108,
200, 88) }
```

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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