

Converting Colors

CIELCh(64, 60.686, 120.577)

Have a look what the booklet for
CIELCh(64, 60.686, 120.577)
contains.

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Color

CIELCh(64, 60.691, 120.608)

Conversions

Conversions Part 1

Format	Color
Hex	80A836
RGB	128, 168, 54
RGB Percent	50%, 66%, 21%
CMY	0.4986, 0.3417, 0.7887
CMYK	0.24, 0.00, 0.68, 0.34
HSL	81°, 51%, 43%
HSV	81°, 68%, 66%
XYZ	23.5240, 32.8017, 8.5655
YIQ	143.0440, 12.7540, -43.9340

Conversions

Conversions Part 2

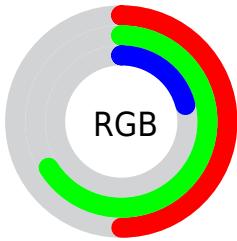
Format	Color
RYB	54, 168, 94
Decimal	8431670
CIELab	64.00, -30.90, 52.23
CIELCh	64, 60.691, 120.608
Yxy	32.8017, 0.3625, 0.5055
Android (android.graphics.Color)	4286621750 (0xFF80A836)
YUV	143.0440, -43.8987, -13.1936
Hunter-Lab	57.2727, -26.9110, 31.2237

Details

The CIELCh color **64, 60.691, 120.608** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **34, 70.219, 308.384**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 60.379, 120.398**, and **44, 57.993, 122.095** is the 20% darker color. If you saturate the color by 10%, you get **64, 67.161, 120.663**, and if you desaturate by 10%, it is **65, 53.050, 120.826**.

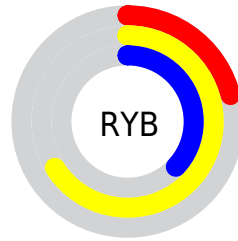
Distribution



Red (50%)

Green (66%)

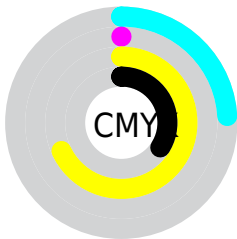
Blue (21%)



Red (21%)

Yellow (66%)

Blue (37%)

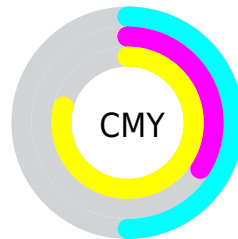


Cyan (24%)

Magenta (0%)

Yellow (68%)

Black (34%)



Cyan (50%)

Magenta (34%)

Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 60.691, 120.608 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, 60.691, 120.608 by changing the saturation by 10% instead.

 64, 60.691,
120.608

 64, 60.691,
120.608

 100, 60.691,
120.608


 54, 60.691,
120.608


 84, 60.691,
120.608

 44, 60.691,
120.608

 94, 60.691,
120.608

 34, 60.691,
120.608

 24, 60.691,
120.608

 14, 60.691,
120.608

 4, 60.691, 120.608

 0, 60.691, 120.608

■ 64, 60.691,
120.608

■ 64, 60.691,
120.608

■ 64, 67.161,
120.663

■ 65, 53.050,
120.826

■ 63, 72.054,
121.100

■ 65, 44.615,
121.212

■ 63, 75.270,
121.954

■ 66, 35.673,
121.695

■ 63, 75.883,
122.136

■ 66, 26.425,
122.223

■ 67, 17.007,
122.765

■ 68, 7.512, 123.302

■ 69, 1.995, 303.776

■ 70, 11.470,
304.283

■ 71, 20.879,
304.737

Harmonies

Complementary

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



64, 60.691, 120.608



34, 70.219, 308.384

Rectangle

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



64, 60.691, 120.608



64, 60.691, 170.608



64, 60.691, 300.608



64, 60.691, 350.608

Sweetspot

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



64, 60.692, 120.610



85, 23.595, 122.632



48, 44.434, 53.097



45, 16.062, 122.486



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



64, 60.692, 120.610



81, 84.965, 120.809



61, 69.717, 135.888



35, 5.387, 123.228



56, 69.060, 121.975



5, 9.999, 126.533

Inverse Universe

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



34, 70.219, 308.384



37, 101.983, 309.132



41, 70.257, 322.900



33, 5.480, 304.191



19, 85.539, 309.226



1, 9.789, 301.876

Previews

White Background



This preview shows how the CIELCh color 64, 60.691, 120.608 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, 60.691, 120.608 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, 60.691, 120.608

Background



This preview shows how black text looks on a background with the CIELCh color 64, 60.691, 120.608.



This preview shows how white text looks on a background with the CIELCh color 64, 60.691, 120.608.

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

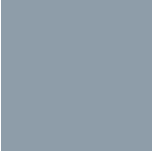
64, 60.691, 120.608

Protanopia

64, 54.977, 95.554

Deuteranopia

64, 51.117, 80.974



Tritanopia
64, 8.502, 251.245

Trichromacy



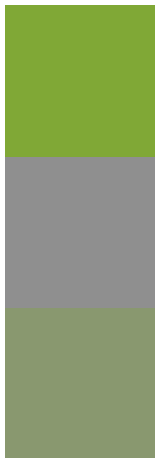
Original Color
64, 60.691, 120.608

Protanomaly
64, 55.891, 105.524

Deuteranomaly
63, 51.364, 97.418

Tritanomaly
64, 21.163, 134.975

Monochromacy



Original Color
64, 60.691, 120.608

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 23.632, 122.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 60.691, 120.608 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(128, 168, 54)` looks like.

```
.text, #text, p{  
    color:rgb(128, 168, 54)  
}
```

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(128, 168, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 168, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 60.691, 120.608 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(128, 168, 54) }
```

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

```
.border{ border-color:rgb(128, 168, 54) }
```

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

Here you see how a box with a 4 pixel rgb(128, 168, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 168, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 168, 54);  
box-shadow:4px 4px 4px 4px rgb(128, 168,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 60.691, 120.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 168, 54) }
```

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

```
.background{ background-color: rgb(128,  
168, 54) }
```

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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