

Converting Colors

CIELCh(66, 50.645, 126.521)

Have a look what the booklet for
CIELCh(66, 50.645, 126.521)
contains.

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Color

CIELCh(66, 50.611, 126.531)

Conversions

Conversions Part 1

Format	Color
Hex	81AD54
RGB	129, 173, 84
RGB Percent	51%, 68%, 33%
CMY	0.4931, 0.3205, 0.6696
CMYK	0.25, 0.00, 0.51, 0.32
HSL	90°, 35%, 50%
HSV	90°, 51%, 68%
XYZ	25.7000, 35.3238, 13.9030
YIQ	149.6980, 2.3450, -37.0070

Conversions

Conversions Part 2

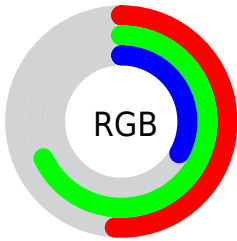
Format	Color
RYB	84, 173, 128
Decimal	8498516
CIELab	66.00, -30.13, 40.67
CIELCh	66, 50.611, 126.531
Yxy	35.3238, 0.3430, 0.4714
Android (android.graphics.Color)	4286688596 (0xFF81AD54)
YUV	149.6980, -32.3891, -18.1521
Hunter-Lab	59.4338, -26.8234, 27.7343

Details

The CIELCh color **66, 50.611, 126.531** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **44, 54.625, 311.469**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 50.604, 126.577**, and **46, 50.409, 126.308** is the 20% darker color. If you saturate the color by 10%, you get **65, 59.409, 126.220**, and if you desaturate by 10%, it is **67, 41.209, 126.954**.

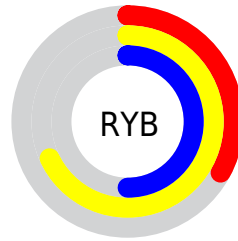
Distribution



Red (51%)

Green (68%)

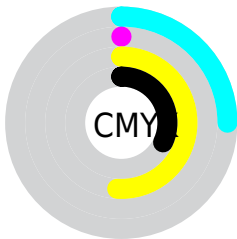
Blue (33%)



Red (33%)

Yellow (68%)

Blue (50%)

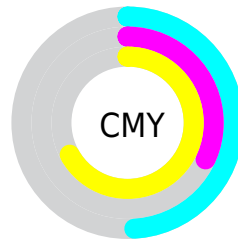


Cyan (25%)

Magenta (0%)

Yellow (51%)

Black (32%)



Cyan (49%)


Magenta (32%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 50.611, 126.531 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 66, 50.611, 126.531 by changing the saturation by 10% instead.


 66, 50.611,
126.531


 66, 50.611,
126.531


 100, 50.611,
126.531


 56, 50.611,
126.531


 86, 50.611,
126.531

 46, 50.611,
126.531

 96, 50.611,
126.531

 36, 50.611,
126.531

 26, 50.611,
126.531

 16, 50.611,
126.531

 6, 50.611, 126.531

 0, 50.611, 126.531

66, 50.611,
126.531

66, 50.611,
126.531

65, 59.409,
126.220

67, 41.209,
126.954

65, 67.268,
126.109

68, 31.440,
127.425

64, 73.774,
126.315

69, 21.472,
127.907

64, 78.537,
126.956

70, 11.422,
128.380

63, 81.445,
127.778

71, 1.371, 128.888

72, 8.624, 309.209

73, 18.522,
309.590

74, 28.293,
309.931

■ 76, 37.918,
310.236

Harmonies

Complementary

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



66, 50.611, 126.531



44, 54.625, 311.469

Rectangle

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



66, 50.611, 126.531



66, 50.611, 176.531



66, 50.611, 306.531



66, 50.611, 356.531

Sweetspot

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



66, 50.612, 126.532



87, 18.595, 128.198



57, 32.752, 67.408



46, 12.672, 128.102



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



66, 50.612, 126.532



82, 73.776, 126.184



64, 58.346, 139.955



36, 5.685, 128.476



56, 73.271, 127.591



6, 12.285, 131.983

Inverse Universe

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



44, 54.625, 311.469



50, 81.184, 312.016



50, 58.104, 326.566



34, 5.762, 309.272



23, 84.137, 311.951



1, 11.820, 305.679

Previews

White Background



This preview shows how the CIELCh color 66, 50.611, 126.531 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 66, 50.611, 126.531 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 66, 50.611, 126.531

Background



This preview shows how black text looks on a background with the CIELCh color 66, 50.611, 126.531.

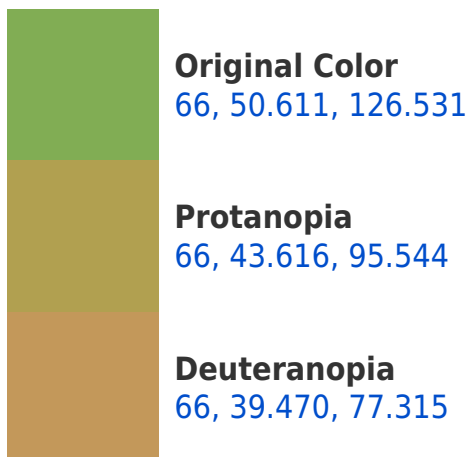


This preview shows how white text looks on a background with the CIELCh color 66, 50.611, 126.531.

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





Tritanopia
66, 10.217, 244.026

Trichromacy



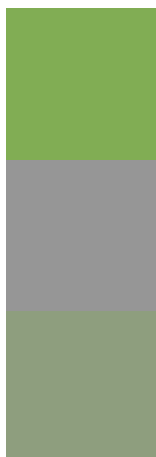
Original Color
66, 50.611, 126.531

Protanomaly
66, 44.236, 108.321

Deuteranomaly
65, 39.200, 98.879

Tritanomaly
66, 17.665, 149.320

Monochromacy



Original Color
66, 50.611, 126.531

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 18.897, 128.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 50.611, 126.531 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(129, 173, 84)` looks like.

```
.text, #text, p{  
    color:rgb(129, 173, 84)  
}
```

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(129, 173, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 173, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 50.611, 126.531 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(129, 173, 84) }
```

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

```
.border{ border-color:rgb(129, 173, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 173, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 173, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 173, 84);  
box-shadow:4px 4px 4px 4px rgb(129, 173,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 50.611, 126.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 173, 84) }
```

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

```
.background{ background-color: rgb(129,  
173, 84) }
```

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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