

Converting Colors

CIELCh(66, 45.233, 128.340)

Have a look what the booklet for
CIELCh(66, 45.233, 128.340)
contains.

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Color

CIELCh(66, 45.233, 128.340)

Conversions

Conversions Part 1

Format	Color
Hex	83AD5F
RGB	131, 173, 95
RGB Percent	51%, 68%, 37%
CMY	0.4880, 0.3233, 0.6291
CMYK	0.24, 0.00, 0.45, 0.32
HSL	92°, 32%, 52%
HSV	92°, 45%, 68%
XYZ	26.1961, 35.3238, 16.1648
YIQ	151.5500, 0.0060, -33.1620

Conversions

Conversions Part 2

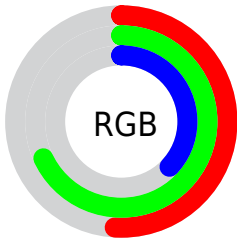
Format	Color
RYB	95, 173, 137
Decimal	8629599
CIELab	66.00, -28.06, 35.48
CIELCh	66, 45.233, 128.340
Yxy	35.3238, 0.3372, 0.4547
Android (android.graphics.Color)	4286819679 (0xFF83AD5F)
YUV	151.5500, -27.8791, -18.0223
Hunter-Lab	59.4338, -25.3333, 25.4780

Details

The CIELCh color **66, 45.233, 128.340** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **47, 47.968, 312.536**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 45.401, 128.672**, and **46, 45.114, 128.316** is the 20% darker color. If you saturate the color by 10%, you get **65, 54.538, 127.941**, and if you desaturate by 10%, it is **67, 35.484, 128.804**.

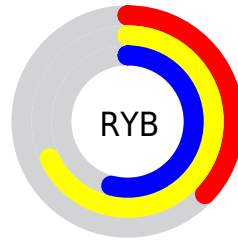
Distribution



Red (51%)

Green (68%)

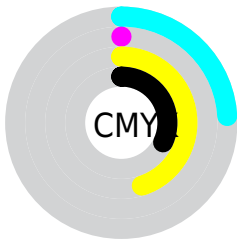
Blue (37%)



Red (37%)

Yellow (68%)

Blue (54%)

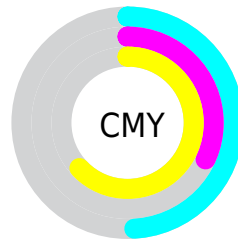


Cyan (24%)

Magenta (0%)

Yellow (45%)

Black (32%)



Cyan (49%)


Magenta (32%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 45.233, 128.340 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, 45.233, 128.340 by changing the saturation by 10% instead.


 66, 45.233,
128.340


 66, 45.233,
128.340


 100, 45.233,
128.340


 56, 45.233,
128.340


 86, 45.233,
128.340

 46, 45.233,
128.340

 96, 45.233,
128.340

 36, 45.233,
128.340

 26, 45.233,
128.340

 16, 45.233,
128.340

 6, 45.233, 128.340

 0, 45.233, 128.340

■ 66, 45.233,
128.340

■ 66, 45.233,
128.340

■ 65, 54.538,
127.941

■ 67, 35.484,
128.804

■ 65, 63.119,
127.673

■ 68, 25.483,
129.284

■ 64, 70.609,
127.642

■ 69, 15.367,
129.755

■ 63, 76.581,
127.970

■ 70, 5.232, 130.212

■ 71, 4.856, 310.573

■ 63, 80.715,
128.756

■ 72, 14.847,
310.961

■ 63, 82.337,
129.182

■ 74, 24.707,
311.298

■ 75, 34.413,
311.598

■ 77, 43.950,
311.864

Harmonies

Complementary

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



66, 45.233, 128.340



47, 47.968, 312.536

Rectangle

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



66, 45.233, 128.340



66, 45.233, 178.340



66, 45.233, 308.340



66, 45.233, 358.340

Sweetspot

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



66, 45.234, 128.341



87, 17.541, 129.798



59, 28.804, 73.165



46, 12.097, 129.702



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, 45.234, 128.341



83, 66.104, 127.949



64, 50.776, 141.798



36, 5.745, 130.024



55, 74.300, 129.004



6, 12.403, 133.260

Inverse Universe

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



47, 47.968, 312.536



56, 71.075, 312.985



52, 50.592, 327.762



34, 5.816, 310.790



24, 83.351, 312.992



1, 11.911, 307.120

Previews

White Background



This preview shows how the CIELCh color 66, 45.233, 128.340 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, 45.233, 128.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

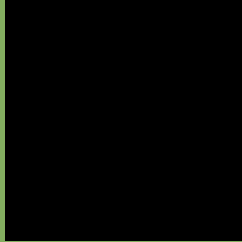
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 45.233, 128.340

Background



This preview shows how black text looks on a background with the CIELCh color 66, 45.233, 128.340.

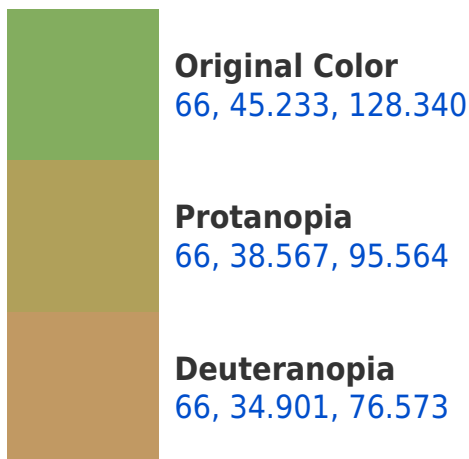


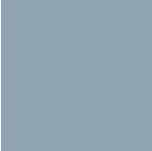
This preview shows how white text looks on a background with the CIELCh color 66, 45.233, 128.340.

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, 9.979, 245.425

Trichromacy



Original Color
66, 45.233, 128.340

Protanomaly
66, 39.302, 109.794

Deuteranomaly
65, 34.532, 99.245

Tritanomaly
66, 15.489, 152.524

Monochromacy



Original Color
66, 45.233, 128.340

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 17.179, 128.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 45.233, 128.340 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(131, 173, 95)` looks like.

```
.text, #text, p{  
    color:rgb(131, 173, 95)  
}
```

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(131, 173, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 173, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 45.233, 128.340 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(131, 173, 95) }
```

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

```
.border{ border-color:rgb(131, 173, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 173, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 173, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 173, 95);  
box-shadow:4px 4px 4px 4px rgb(131, 173,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 45.233, 128.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 173, 95) }
```

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

```
.background{ background-color: rgb(131,  
173, 95) }
```

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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