

Converting Colors

CIELCh(67, 50.610, 133.340)

Have a look what the booklet for
CIELCh(67, 50.610, 133.340)
contains.

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Color

CIELCh(67, 50.717, 133.442)

Conversions

Conversions Part 1

Format	Color
Hex	77B25E
RGB	119, 178, 94
RGB Percent	47%, 70%, 37%
CMY	0.5328, 0.3015, 0.6309
CMYK	0.33, 0.00, 0.47, 0.30
HSL	102°, 35%, 53%
HSV	102°, 47%, 70%
XYZ	25.5959, 36.6320, 16.3387
YIQ	150.7830, -8.2000, -38.6320

Conversions

Conversions Part 2

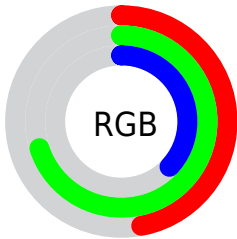
Format	Color
RYB	94, 178, 153
Decimal	7844446
CIELab	67.00, -34.87, 36.82
CIELCh	67, 50.717, 133.442
Yxy	36.6320, 0.3258, 0.4663
Android (android.graphics.Color)	4286034526 (0xFF77B25E)
YUV	150.7830, -27.9940, -27.8737
Hunter-Lab	60.5244, -30.4295, 26.3616

Details

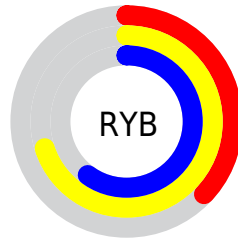
The CIELCh color $67, 50.717, 133.442$ is a dark color, and the websafe version is hex $99CC66$. A complement of this color would be $50, 52.451, 317.768$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 50.535, 133.316$, and $47, 50.814, 133.627$ is the 20% darker color. If you saturate the color by 10%, you get $66, 60.605, 132.923$, and if you desaturate by 10%, it is $68, 40.279, 133.998$.

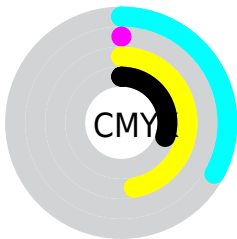
Distribution



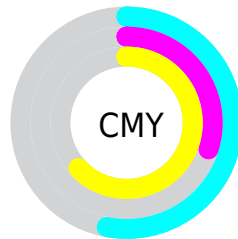
- Red (47%)
- Green (70%)
- Blue (37%)



- Red (37%)
- Yellow (70%)
- Blue (60%)



- Cyan (33%)
- Magenta (0%)
- Yellow (47%)
- Black (30%)



- Cyan (53%)
- Magenta (30%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 50.717, 133.442 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, 50.717, 133.442 by changing the saturation by 10% instead.

 67, 50.717,
133.442

 67, 50.717,
133.442

 100, 50.717,
133.442

 57, 50.717,
133.442

 87, 50.717,
133.442


 47, 50.717,
133.442


 97, 50.717,
133.442

 37, 50.717,
133.442

 27, 50.717,
133.442

 17, 50.717,
133.442

 7, 50.717, 133.442

 0, 50.717, 133.442

■ 67, 50.717,
133.442

■ 67, 50.717,
133.442

■ 66, 60.605,
132.923

■ 68, 40.279,
133.998

■ 65, 69.612,
132.512

■ 69, 29.530,
134.543

■ 65, 77.316,
132.319

■ 70, 18.645,
135.055

■ 64, 83.262,
132.469

■ 72, 7.751, 135.530

■ 64, 87.213,
133.016

■ 73, 3.064, 315.866

■ 64, 88.161,
133.160

■ 75, 13.735,
316.270

■ 76, 24.219,
316.591

■ 78, 34.485,
316.867

■ 80, 44.518,
317.105

Harmonies

Complementary

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



67, 50.717, 133.442



50, 52.451, 317.768

Rectangle

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



67, 50.717, 133.442



67, 50.717, 183.442



67, 50.717, 313.442



67, 50.717, 3.442

Sweetspot

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



67, 50.718, 133.443



90, 18.841, 135.197



64, 34.280, 87.662



48, 13.121, 135.094



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, 50.718, 133.443



84, 74.813, 132.884



66, 48.268, 146.466



37, 6.145, 135.429



55, 78.662, 133.006



7, 15.150, 137.912

Inverse Universe

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



50, 52.451, 317.768



58, 77.808, 318.110



52, 48.264, 333.617



35, 6.194, 316.176



28, 81.682, 317.575



2, 14.472, 312.462

Previews

White Background



This preview shows how the CIELCh color 67, 50.717, 133.442 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 CIE LCh color 67, 50.717, 133.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

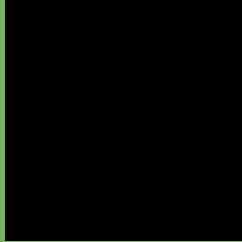
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 50.717, 133.442

Background



This preview shows how black text looks on a background with the CIELCh color 67, 50.717, 133.442.

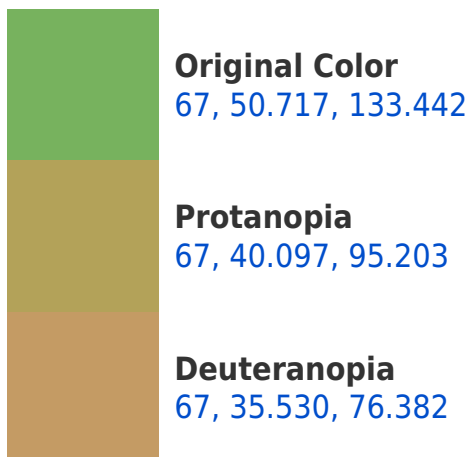


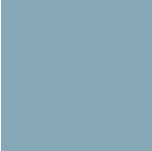
This preview shows how white text looks on a background with the CIELCh color 67, 50.717, 133.442.

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
67, 13.806, 232.891

Trichromacy



Original Color
67, 50.717, 133.442



Protanomaly
66, 41.421, 112.419



Deuteranomaly
66, 35.250, 102.907



Tritanomaly
67, 20.234, 160.834

Monochromacy



Original Color
67, 50.717, 133.442



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 19.312, 135.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 50.717, 133.442 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, 178, 94)` looks like.

```
.text, #text, p{  
    color:rgb(119, 178, 94)  
}
```

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, 178, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 178, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 50.717, 133.442 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, 178, 94) }
```

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

```
.border{ border-color:rgb(119, 178, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 178, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 178, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 178, 94);  
box-shadow:4px 4px 4px 4px rgb(119, 178,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 50.717, 133.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 178, 94) }
```

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

```
.background{ background-color: rgb(119,  
178, 94) }
```

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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