

Converting Colors

CIELCh(67, 31.809, 149.987)

Have a look what the booklet for
CIELCh(67, 31.809, 149.987)
contains.

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Color

CIELCh(67, 31.686, 150.272)

Conversions

Conversions Part 1

Format	Color
Hex	77B086
RGB	119, 176, 134
RGB Percent	47%, 69%, 53%
CMY	0.5338, 0.3103, 0.4750
CMYK	0.32, 0.00, 0.24, 0.31
HSL	136°, 26%, 58%
HSV	136°, 32%, 69%
XYZ	27.3860, 36.6320, 28.1375
YIQ	154.1690, -20.4900, -25.1460

Conversions

Conversions Part 2

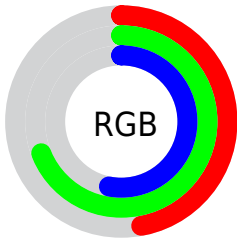
Format	Color
RYB	119, 164, 176
Decimal	7843974
CIELab	67.00, -27.52, 15.71
CIELCh	67, 31.686, 150.272
Yxy	36.6320, 0.2972, 0.3975
Android (android.graphics.Color)	4286034054 (0xFF77B086)
YUV	154.1690, -9.9433, -30.8432
Hunter-Lab	60.5244, -25.1501, 14.8034

Details

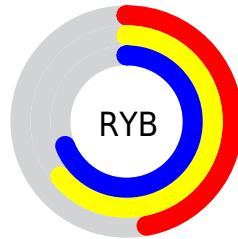
The CIELCh color $67, 31.686, 150.272$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $57, 31.943, 335.064$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 31.812, 149.950$, and $47, 31.697, 150.116$ is the 20% darker color. If you saturate the color by 10%, you get $66, 41.176, 149.204$, and if you desaturate by 10%, it is $68, 21.952, 151.200$.

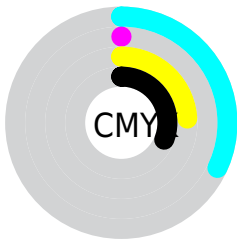
Distribution



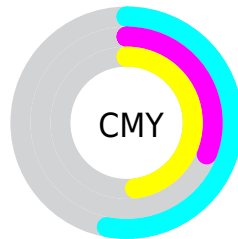
- Red (47%)
- Green (69%)
- Blue (53%)



- Red (47%)
- Yellow (64%)
- Blue (69%)



- Cyan (32%)
- Magenta (0%)
- Yellow (24%)
- Black (31%)





- Cyan (53%)
- Magenta (31%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 31.686, 150.272 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, 31.686, 150.272 by changing the saturation by 10% instead.


 67, 31.686,
150.272


 67, 31.686,
150.272


 100, 31.686,
150.272


 57, 31.686,
150.272


 87, 31.686,
150.272

 47, 31.686,
150.272

 97, 31.686,
150.272

 37, 31.686,
150.272

 27, 31.686,
150.272

 17, 31.686,
150.272

 7, 31.686, 150.272

 0, 31.686, 150.272

■ 67, 31.686,
150.272

■ 67, 31.686,
150.272

■ 66, 41.176,
149.204

■ 68, 21.952,
151.200

■ 65, 50.240,
147.977

■ 70, 12.126,
152.012

■ 64, 58.686,
146.578

■ 71, 2.334, 152.813

■ 64, 66.326,
145.007

■ 73, 7.327, 333.256

■ 63, 72.996,
143.286

■ 75, 16.787,
333.816

■ 63, 78.570,
141.470

■ 77, 26.002,
334.299

■ 63, 82.115,
140.159

■ 79, 34.942,
334.728

■ 81, 42.599,
333.324

■ 81, 47.655,
327.761

Harmonies

Complementary

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



67, 31.686, 150.272



57, 31.943, 335.064

Rectangle

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



67, 31.686, 150.272



67, 31.686, 200.272



67, 31.686, 330.272



67, 31.686, 20.272

Sweetspot

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



67, 31.687, 150.272



89, 12.120, 152.182



69, 31.235, 117.897



47, 8.266, 152.078



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



67, 31.687, 150.272



84, 47.130, 149.510



68, 21.802, 176.397



36, 5.460, 152.248



54, 72.769, 140.410



6, 11.921, 151.050

Inverse Universe

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



57, 31.943, 335.064



69, 47.490, 335.625



56, 24.428, 3.171



34, 5.483, 333.411



33, 63.989, 341.973



2, 10.822, 336.302

Previews

White Background



This preview shows how the CIELCh color 67, 31.686, 150.272 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 67, 31.686, 150.272 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, 31.686, 150.272

Background



This preview shows how black text looks on a background with the CIELCh color 67, 31.686, 150.272.

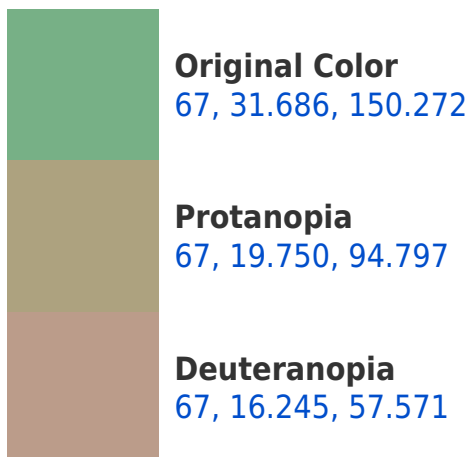


This preview shows how white text looks on a background with the CIELCh color 67, 31.686, 150.272.

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, 15.394, 228.814

Trichromacy



Original Color
67, 31.686, 150.272

Protanomaly
67, 21.044, 123.590

Deuteranomaly
66, 14.298, 110.276

Tritanomaly
67, 17.220, 184.917

Monochromacy



Original Color
67, 31.686, 150.272

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 11.654, 152.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 31.686, 150.272 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, 176, 134)` looks like.

```
.text, #text, p{  
    color:rgb(119, 176, 134)  
}
```

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, 176, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 176, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 31.686, 150.272 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, 176, 134) }
```

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

```
.border{ border-color:rgb(119, 176, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 176, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 176, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 176, 134);  
box-shadow:4px 4px 4px 4px rgb(119, 176,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 31.686, 150.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 176, 134) }
```

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

```
.background{ background-color: rgb(119,  
176, 134) }
```

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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