

Converting Colors

CIELCh(68, 36.812, 145.534)

Have a look what the booklet for
CIELCh(68, 36.812, 145.534)
contains.

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Color

CIELCh(68, 36.971, 145.321)

Conversions

Conversions Part 1

Format	Color
Hex	78B47F
RGB	120, 180, 127
RGB Percent	47%, 71%, 50%
CMY	0.5309, 0.2957, 0.5034
CMYK	0.33, 0.00, 0.29, 0.30
HSL	127°, 28%, 59%
HSV	127°, 33%, 70%
XYZ	27.7415, 37.9720, 25.8194
YIQ	156.0180, -18.7470, -29.2030

Conversions

Conversions Part 2

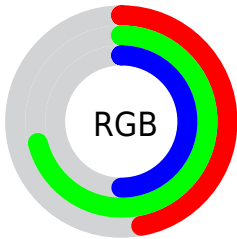
Format	Color
RYB	120, 174, 180
Decimal	7910527
CIELab	68.00, -30.40, 21.04
CIELCh	68, 36.971, 145.321
Yxy	37.9720, 0.3031, 0.4148
Android (android.graphics.Color)	4286100607 (0xFF78B47F)
YUV	156.0180, -14.3059, -31.5878
Hunter-Lab	61.6215, -27.4782, 18.2925

Details

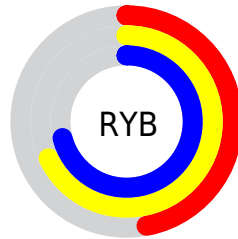
The CIELCh color $68, 36.971, 145.321$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $58, 37.005, 329.742$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 36.894, 145.325$, and $48, 37.421, 145.192$ is the 20% darker color. If you saturate the color by 10%, you get $67, 47.684, 144.305$, and if you desaturate by 10%, it is $69, 25.950, 146.202$.

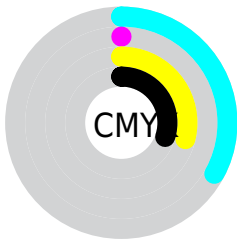
Distribution



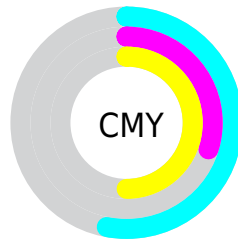
- Red (47%)
- Green (71%)
- Blue (50%)



- Red (47%)
- Yellow (68%)
- Blue (71%)



- Cyan (33%)
- Magenta (0%)
- Yellow (29%)
- Black (30%)





- Cyan (53%)
- Magenta (30%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 36.971, 145.321 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 68, 36.971, 145.321 by changing the saturation by 10% instead.


 68, 36.971,
145.321


 68, 36.971,
145.321


 100, 36.971,
145.321


 58, 36.971,
145.321


 88, 36.971,
145.321

 48, 36.971,
145.321

 98, 36.971,
145.321

 38, 36.971,
145.321

 28, 36.971,
145.321

 18, 36.971,
145.321

 8, 36.971, 145.321

 0, 36.971, 145.321

■ 68, 36.971,
145.321

■ 68, 36.971,
145.321

■ 67, 47.684,
144.305

■ 69, 25.950,
146.202

■ 66, 57.844,
143.148

■ 71, 14.817,
146.964

■ 65, 67.176,
141.862

■ 73, 3.729, 147.662

■ 65, 75.378,
140.486

■ 74, 7.198, 328.108

■ 64, 82.144,
139.096

■ 76, 17.884,
328.605

■ 64, 87.193,
137.808

■ 79, 28.276,
329.021

■ 64, 89.580,
137.148

■ 81, 38.345,
329.379

■ 82, 46.596,
326.599

■ 82, 47.208,
326.057

Harmonies

Complementary

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



68, 36.971, 145.321



58, 37.005, 329.742

Rectangle

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



68, 36.971, 145.321



68, 36.971, 195.321



68, 36.971, 325.321



68, 36.971, 15.321

Sweetspot

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



68, 36.972, 145.321



91, 13.715, 147.189



71, 32.223, 112.146



48, 9.357, 147.093



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 36.972, 145.321



86, 54.750, 144.594



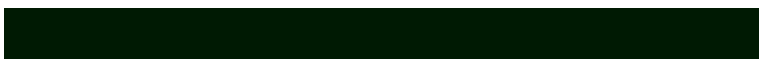
69, 25.146, 167.162



37, 6.216, 147.247



55, 79.292, 137.303



7, 15.281, 146.981

Inverse Universe

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



58, 37.005, 329.742



71, 54.699, 330.176



57, 26.975, 353.999



35, 6.230, 328.300



35, 72.113, 333.421



2, 14.432, 329.549

Previews

White Background



This preview shows how the CIELCh color 68, 36.971, 145.321 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 68, 36.971, 145.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

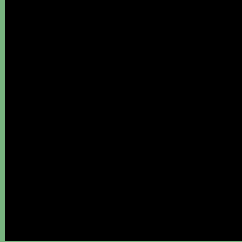
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 36.971, 145.321

Background



This preview shows how black text looks on a background with the CIELCh color 68, 36.971, 145.321.

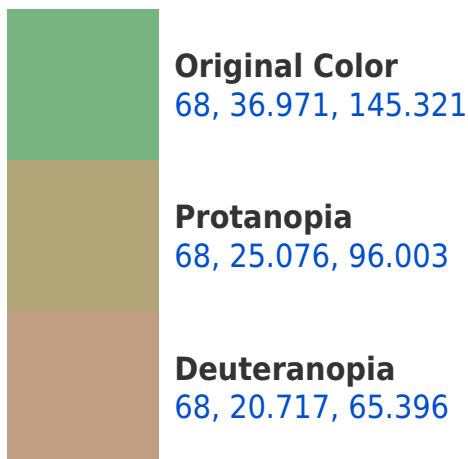


This preview shows how white text looks on a background with the CIELCh color 68, 36.971, 145.321.

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
68, 15.637, 228.178

Trichromacy



Original Color
68, 36.971, 145.321

Protanomaly
67, 26.715, 119.854

Deuteranomaly
67, 20.217, 108.060

Tritanomaly
68, 18.325, 178.499

Monochromacy



Original Color
68, 36.971, 145.321

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 14.013, 146.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 36.971, 145.321 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(120, 180, 127)` looks like.

```
.text, #text, p{  
    color:rgb(120, 180, 127)  
}
```

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(120, 180, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 180, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 36.971, 145.321 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(120, 180, 127) }
```

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

```
.border{ border-color:rgb(120, 180, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 180, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 180, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 180, 127); box-shadow:4px 4px 4px 4px rgb(120, 180, 127) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 36.971, 145.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 180, 127) }
```

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

```
.background{ background-color: rgb(120,  
180, 127) }
```

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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