

Converting Colors

CIELCh(69, 36.945, 145.046)

Have a look what the booklet for
CIELCh(69, 36.945, 145.046)
contains.

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Color

CIELCh(69, 36.680, 144.961)

Conversions

Conversions Part 1

Format	Color
Hex	7BB681
RGB	123, 182, 129
RGB Percent	48%, 71%, 51%
CMY	0.5170, 0.2855, 0.4934
CMYK	0.32, 0.00, 0.29, 0.29
HSL	126°, 29%, 60%
HSV	126°, 32%, 71%
XYZ	28.9329, 39.3444, 26.8982
YIQ	158.3170, -18.1510, -28.9910

Conversions

Conversions Part 2

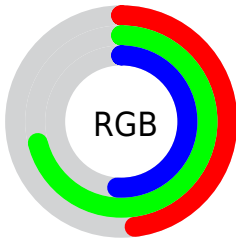
Format	Color
RYB	123, 177, 182
Decimal	8107649
CIELab	69.00, -30.03, 21.06
CIElCh	69, 36.680, 144.961
Yxy	39.3444, 0.3040, 0.4134
Android (android.graphics.Color)	4286297729 (0xFF7BB681)
YUV	158.3170, -14.4533, -30.9730
Hunter-Lab	62.7251, -27.4332, 18.4824

Details

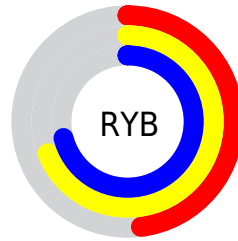
The CIELCh color $69, 36.680, 144.961$ is a dark color, and the websafe version is hex $99CC99$. A complement of this color would be $59, 36.707, 329.190$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 36.621, 144.948$, and $49, 37.126, 144.900$ is the 20% darker color. If you saturate the color by 10%, you get $68, 47.672, 143.964$, and if you desaturate by 10%, it is $70, 25.391, 145.825$.

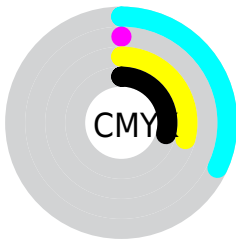
Distribution



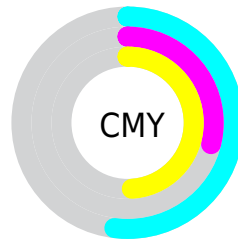
- Red (48%)
- Green (71%)
- Blue (51%)



- Red (48%)
- Yellow (69%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (29%)
- Black (29%)





- Cyan (52%)
- Magenta (29%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 36.680, 144.961 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 69, 36.680, 144.961 by changing the saturation by 10% instead.


 69, 36.680,
144.961


 69, 36.680,
144.961


 100, 36.680,
144.961


 59, 36.680,
144.961


 89, 36.680,
144.961

 49, 36.680,
144.961

 99, 36.680,
144.961

 39, 36.680,
144.961

 29, 36.680,
144.961

 19, 36.680,
144.961

 9, 36.680, 144.961

 0, 36.680, 144.961

69, 36.680,
144.961

69, 36.680,
144.961

68, 47.672,
143.964

70, 25.391,
145.825

67, 58.114,
142.829

72, 14.004,
146.572

66, 67.720,
141.570

74, 2.677, 147.283

76, 8.475, 327.694

65, 76.171,
140.227

78, 19.371,
328.175

65, 83.133,
138.881

80, 29.961,
328.578

65, 88.300,
137.650

82, 40.217,
328.926

65, 90.988,
136.940

83, 45.614,
326.003

Harmonies

Complementary

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



69, 36.680, 144.961



59, 36.707, 329.190

Rectangle

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



69, 36.680, 144.961



69, 36.680, 194.961



69, 36.680, 324.961



69, 36.680, 14.961

Sweetspot

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



69, 36.681, 144.961



92, 13.985, 146.725



72, 31.601, 111.495



49, 9.627, 146.629



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



69, 36.681, 144.961



86, 54.478, 144.250



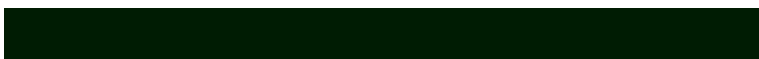
70, 25.026, 166.253



38, 6.432, 146.781



56, 80.696, 137.077



8, 17.953, 146.509

Inverse Universe

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



59, 36.707, 329.190



72, 54.423, 329.613



58, 26.663, 352.782



36, 6.445, 327.830



36, 73.845, 332.676



3, 16.967, 329.002

Previews

White Background



This preview shows how the CIELCh color 69, 36.680, 144.961 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 69, 36.680, 144.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

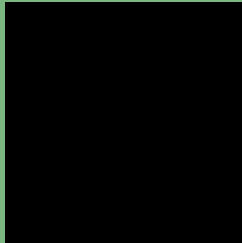
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 36.680, 144.961

Background



This preview shows how black text looks on a background with the CIELCh color 69, 36.680, 144.961.

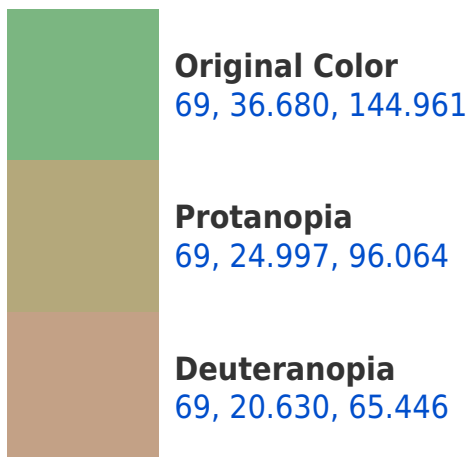


This preview shows how white text looks on a background with the CIELCh color 69, 36.680, 144.961.

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
69, 15.613, 228.132

Trichromacy



Original Color
69, 36.680, 144.961

Protanomaly
69, 26.635, 119.880

Deuteranomaly
68, 20.154, 108.095

Tritanomaly
69, 18.283, 178.543

Monochromacy



Original Color
69, 36.680, 144.961

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 13.538, 147.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 36.680, 144.961 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(123, 182, 129)` looks like.

```
.text, #text, p{  
    color:rgb(123, 182, 129)  
}
```

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(123, 182, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 182, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 36.680, 144.961 is called "border". The border property can be set on classes, ids or directly on the HTML element.

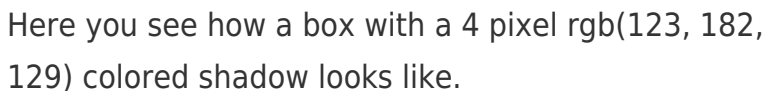
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(123, 182, 129) }
```

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

```
.border{ border-color:rgb(123, 182, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(123, 182, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 182, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 182, 129);  
box-shadow:4px 4px 4px 4px rgb(123, 182,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 36.680, 144.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 182, 129) }
```

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

```
.background{ background-color: rgb(123,  
182, 129) }
```

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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