

Converting Colors

CIELCh(69, 40.966, 160.203)

Have a look what the booklet for
CIELCh(69, 40.966, 160.203)
contains.

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Color

CIELCh(69, 40.947, 160.240)

Conversions

Conversions Part 1

Format	Color
Hex	5BBA8E
RGB	91, 186, 142
RGB Percent	36%, 73%, 56%
CMY	0.6427, 0.2702, 0.4428
CMYK	0.51, 0.00, 0.24, 0.27
HSL	152°, 41%, 54%
HSV	152°, 51%, 73%
XYZ	26.7934, 39.3444, 31.8101
YIQ	152.5790, -42.4960, -33.8240

Conversions

Conversions Part 2

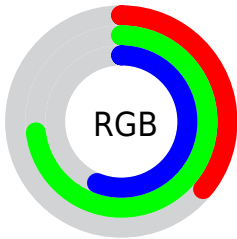
Format	Color
RYB	91, 153, 186
Decimal	6011534
CIELab	69.00, -38.54, 13.84
CIElCh	69, 40.947, 160.240
Yxy	39.3444, 0.2735, 0.4017
Android (android.graphics.Color)	4284201614 (0xFF5BBA8E)
YUV	152.5790, -5.2154, -54.0048
Hunter-Lab	62.7251, -33.5216, 13.8396

Details

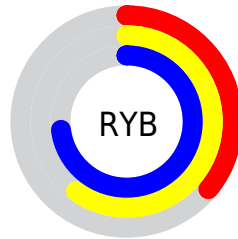
The CIELCh color $69, 40.947, 160.240$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $52, 43.827, 351.440$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 41.015, 160.263$, and $49, 40.727, 160.452$ is the 20% darker color. If you saturate the color by 10%, you get $68, 47.796, 158.739$, and if you desaturate by 10%, it is $70, 33.532, 161.567$.

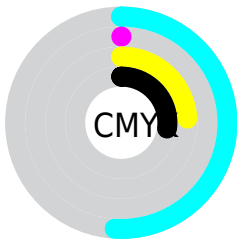
Distribution



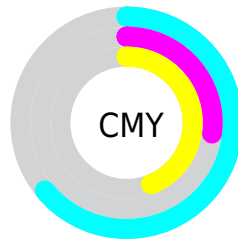
- Red (36%)
- Green (73%)
- Blue (56%)



- Red (36%)
- Yellow (60%)
- Blue (73%)



- Cyan (51%)
- Magenta (0%)
- Yellow (24%)
- Black (27%)





- Cyan (64%)
- Magenta (27%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 40.947, 160.240 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, 40.947, 160.240 by changing the saturation by 10% instead.

 69, 40.947,
160.240

 69, 40.947,
160.240


 100, 40.947,
160.240


 59, 40.947,
160.240


 89, 40.947,
160.240

 49, 40.947,
160.240

 99, 40.947,
160.240

 39, 40.947,
160.240

 29, 40.947,
160.240

 19, 40.947,
160.240

 9, 40.947, 160.240

 0, 40.947, 160.240

■ 69, 40.947,
160.240

■ 69, 40.947,
160.240

■ 68, 47.796,
158.739

■ 70, 33.532,
161.567

■ 68, 53.958,
157.045

■ 71, 25.683,
162.749

■ 67, 59.360,
155.142

■ 72, 17.541,
163.808

■ 67, 63.988,
153.032

■ 74, 9.233, 164.776

■ 67, 67.618,
151.057

■ 75, 0.869, 166.050

■ 77, 7.461, 346.328

■ 79, 15.691,
347.082

■ 81, 23.769,
347.765

■ 83, 30.586,
346.867

Harmonies

Complementary

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



69, 40.947, 160.240



52, 43.827, 351.440

Rectangle

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



69, 40.947, 160.240



69, 40.947, 210.240



69, 40.947, 340.240



69, 40.947, 30.240

Sweetspot

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



69, 40.948, 160.239



93, 15.522, 164.378



70, 53.881, 127.903



49, 10.669, 164.173



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



69, 40.948, 160.239



87, 59.011, 158.586



69, 28.187, 200.799



38, 4.683, 164.938



56, 58.821, 151.402



8, 14.087, 159.208

Inverse Universe

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



52, 43.827, 351.440



61, 63.369, 353.430



51, 41.223, 27.340



36, 4.752, 346.429



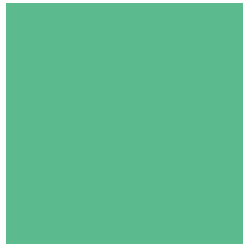
33, 58.393, 4.850



2, 11.969, 352.888

Previews

White Background



This preview shows how the CIELCh color 69, 40.947, 160.240 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 69, 40.947, 160.240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

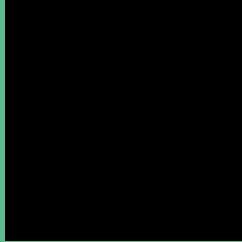
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 40.947, 160.240

Background



This preview shows how black text looks on a background with the CIELCh color 69, 40.947, 160.240.

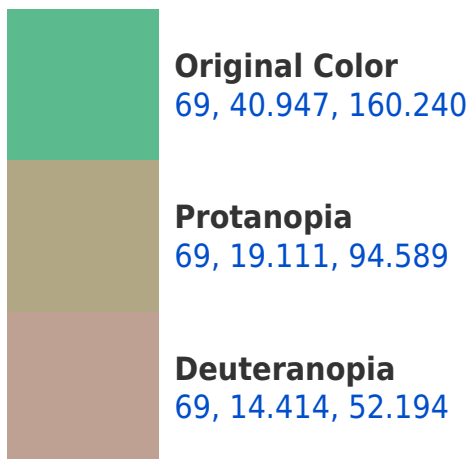


This preview shows how white text looks on a background with the CIELCh color 69, 40.947, 160.240.

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, 23.907, 218.097

Trichromacy



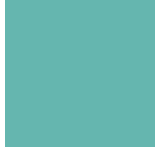
Original Color
69, 40.947, 160.240



Protanomaly
68, 23.535, 135.877



Deuteranomaly
68, 14.936, 131.867



Tritanomaly
69, 26.825, 188.951

Monochromacy



Original Color
69, 40.947, 160.240



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 15.955, 164.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 40.947, 160.240 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(91, 186, 142)` looks like.

```
.text, #text, p{  
    color:rgb(91, 186, 142)  
}
```

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(91, 186, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 186, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 40.947, 160.240 is called "border". The border property can be set on classes, ids or directly on the HTML element.

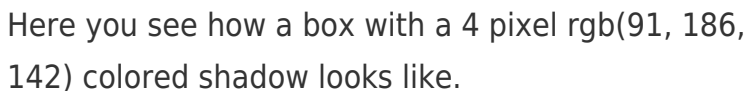
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 186, 142) }
```

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

```
.border{ border-color:rgb(91, 186, 142) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 186, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 186, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 186, 142); box-shadow:4px 4px 4px 4px rgb(91, 186, 142) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 40.947, 160.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 186, 142) }
```

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

```
.background{ background-color: rgb(91, 186,  
142) }
```

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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