

Converting Colors

CIELCh(69, 27.068, 176.626)

Have a look what the booklet for
CIELCh(69, 27.068, 176.626)
contains.

CIELCh(69, 26.893, 176.834)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 26.893, 176.834)

Conversions

Conversions Part 1

Format	Color
Hex	6DB6A5
RGB	109, 182, 165
RGB Percent	43%, 71%, 65%
CMY	0.5731, 0.2869, 0.3535
CMYK	0.40, 0.00, 0.09, 0.29
HSL	166°, 33%, 57%
HSV	166°, 40%, 71%
XYZ	29.7614, 39.3444, 41.5500
YIQ	158.2350, -38.0510, -20.7630

Conversions

Conversions Part 2

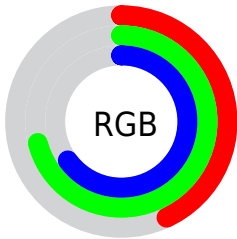
Format	Color
RYB	109, 150, 182
Decimal	7190181
CIELab	69.00, -26.85, 1.49
CIElCh	69, 26.893, 176.834
Yxy	39.3444, 0.2690, 0.3556
Android (android.graphics.Color)	4285380261 (0xFF6DB6A5)
YUV	158.2350, 3.3351, -43.1791
Hunter-Lab	62.7251, -25.0755, 4.6330

Details

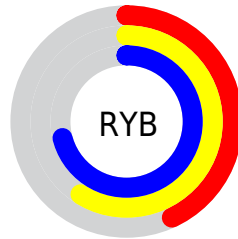
The CIELCh color **69, 26.893, 176.834** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **54, 31.314, 5.693**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 26.669, 176.980**, and **49, 27.184, 176.291** is the 20% darker color. If you saturate the color by 10%, you get **68, 32.553, 175.647**, and if you desaturate by 10%, it is **70, 20.703, 177.926**.

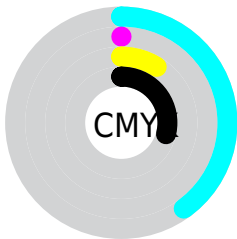
Distribution



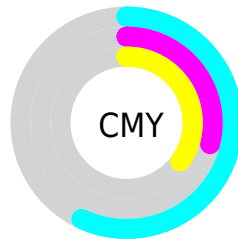
- Red (43%)
- Green (71%)
- Blue (65%)



- Red (43%)
- Yellow (59%)
- Blue (71%)



- Cyan (40%)
- Magenta (0%)
- Yellow (9%)
- Black (29%)





- Cyan (57%)
- Magenta (29%)
- Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 26.893, 176.834 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, 26.893, 176.834 by changing the saturation by 10% instead.


 69, 26.893,
176.834


 69, 26.893,
176.834


 100, 26.893,
176.834


 59, 26.893,
176.834


 89, 26.893,
176.834

 49, 26.893,
176.834

 99, 26.893,
176.834

 39, 26.893,
176.834

 29, 26.893,
176.834

 19, 26.893,
176.834

 9, 26.893, 176.834

 0, 26.893, 176.834

69, 26.893,
176.834

69, 26.893,
176.834

68, 32.553,
175.647

70, 20.703,
177.926

67, 37.570,
174.348

71, 14.099,
178.948

67, 41.861,
172.913

73, 7.196, 179.930

66, 45.380,
171.316

74, 0.098, 185.501

66, 48.136,
169.543

76, 7.105, 1.554

66, 50.287,
167.672

77, 14.339, 2.406

79, 21.548, 3.204

81, 28.689, 3.967

81, 29.472,
359.944

Harmonies

Complementary

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



69, 26.893, 176.834



54, 31.314, 5.693

Rectangle

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



69, 26.893, 176.834



69, 26.893, 226.834



69, 26.893, 356.834



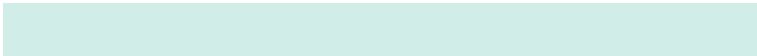
69, 26.893, 46.834

Sweetspot

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



69, 26.894, 176.832



92, 10.539, 179.728



69, 45.042, 135.681



49, 7.036, 179.601



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, 26.894, 176.832



87, 38.844, 175.810



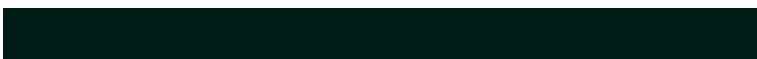
64, 20.059, 231.222



38, 4.054, 180.009



57, 44.650, 167.933



8, 11.880, 173.726

Inverse Universe

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



54, 31.314, 5.693



65, 46.833, 7.349



59, 26.176, 45.950



36, 4.191, 1.588



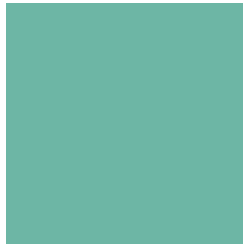
32, 62.529, 26.064



2, 10.994, 5.543

Previews

White Background



This preview shows how the CIELCh color 69, 26.893, 176.834 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, 26.893, 176.834 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, 26.893, 176.834

Background



This preview shows how black text looks on a background with the CIELCh color 69, 26.893, 176.834.

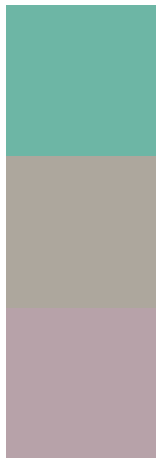


This preview shows how white text looks on a background with the CIELCh color 69, 26.893, 176.834.

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



Original Color
69, 26.893, 176.834

Protanopia
69, 5.938, 86.461

Deuteranopia
69, 8.916, 354.727



Tritanopia
69, 21.116, 219.486

Trichromacy



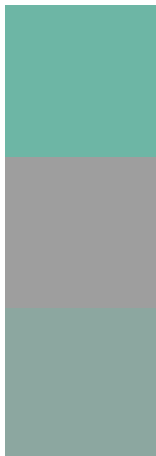
Original Color
69, 26.893, 176.834

Protanomaly
68, 10.646, 160.282

Deuteranomaly
68, 4.980, 186.286

Tritanomaly
69, 21.752, 202.080

Monochromacy



Original Color
69, 26.893, 176.834

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 10.782, 177.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 26.893, 176.834 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(109, 182, 165)` looks like.

```
.text, #text, p{  
    color:rgb(109, 182, 165)  
}
```

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(109, 182, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 182, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 26.893, 176.834 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(109, 182, 165) }
```

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

```
.border{ border-color:rgb(109, 182, 165) }
```

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

Here you see how a box with a 4 pixel rgb(109, 182, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 182, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 182, 165);  
box-shadow:4px 4px 4px 4px rgb(109, 182,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 26.893, 176.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 182, 165) }
```

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

```
.background{ background-color: rgb(109,  
182, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor