

Converting Colors

CIELCh(66, 27.958, 188.877)

Have a look what the booklet for
CIELCh(66, 27.958, 188.877)
contains.

CIELCh(66, 27.798, 189.016)	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(66, 27.798, 189.016)

Conversions

Conversions Part 1

Format	Color
Hex	59AEA7
RGB	89, 174, 167
RGB Percent	35%, 68%, 65%
CMY	0.6498, 0.3165, 0.3440
CMYK	0.49, 0.00, 0.04, 0.32
HSL	175°, 34%, 52%
HSV	175°, 49%, 68%
XYZ	26.3424, 35.3238, 42.1276
YIQ	147.7870, -48.4130, -20.1970

Conversions

Conversions Part 2

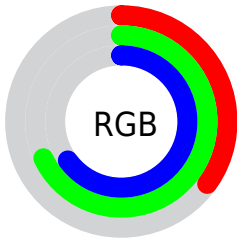
Format	Color
RYB	89, 133, 174
Decimal	5877415
CIELab	66.00, -27.45, -4.36
CIELCh	66, 27.798, 189.016
Yxy	35.3238, 0.2538, 0.3403
Android (android.graphics.Color)	4284067495 (0xFF59AEA7)
YUV	147.7870, 9.4720, -51.5562
Hunter-Lab	59.4338, -24.8939, -0.4219

Details

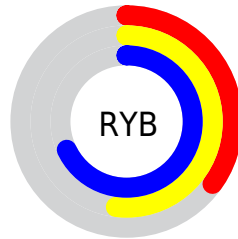
The CIELCh color **66, 27.798, 189.016** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **48, 37.239, 18.711**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 27.813, 188.788**, and **46, 27.711, 188.980** is the 20% darker color. If you saturate the color by 10%, you get **65, 31.848, 188.244**, and if you desaturate by 10%, it is **67, 23.058, 189.766**.

Distribution



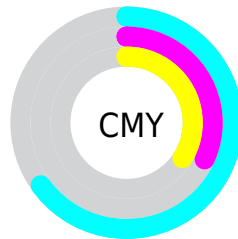
- Red (35%)
- Green (68%)
- Blue (65%)



- Red (35%)
- Yellow (52%)
- Blue (68%)



- Cyan (49%)
- Magenta (0%)
- Yellow (4%)
- Black (32%)





- Cyan (65%)
- Magenta (32%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 27.798, 189.016 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 66, 27.798, 189.016 by changing the saturation by 10% instead.


 66, 27.798,
189.016


 66, 27.798,
189.016


 100, 27.798,
189.016


 56, 27.798,
189.016


 86, 27.798,
189.016

 46, 27.798,
189.016

 96, 27.798,
189.016

 36, 27.798,
189.016

 26, 27.798,
189.016

 16, 27.798,
189.016

 6, 27.798, 189.016

 0, 27.798, 189.016

66, 27.798,
189.016

66, 27.798,
189.016

65, 31.848,
188.244

67, 23.058,
189.766

65, 35.139,
187.444

68, 17.722,
190.510

65, 37.638,
186.599

69, 11.894,
191.255

64, 39.362,
185.693

70, 5.680, 192.029

64, 40.453,
184.724

71, 0.819, 12.075

73, 7.515, 13.329

64, 40.577,
184.605

74, 14.333, 14.080

76, 21.211, 14.804

78, 28.101, 15.516

Harmonies

Complementary

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



66, 27.798, 189.016



48, 37.239, 18.711

Rectangle

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



66, 27.798, 189.016



66, 27.798, 239.016



66, 27.798, 9.016



66, 27.798, 59.016

Sweetspot

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



66, 27.798, 189.014



88, 11.886, 191.519



65, 54.834, 138.813



47, 8.135, 191.363



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



66, 27.798, 189.014



83, 39.357, 188.144



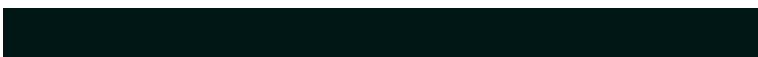
56, 24.739, 254.239



36, 3.651, 191.985



56, 36.375, 184.733



6, 7.934, 189.670

Inverse Universe

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



48, 37.239, 18.711



57, 56.893, 21.433



56, 30.762, 60.922



34, 3.834, 13.245



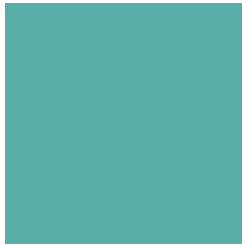
31, 67.019, 35.998



2, 7.849, 13.827

Previews

White Background



This preview shows how the CIELCh color 66, 27.798, 189.016 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 66, 27.798, 189.016 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

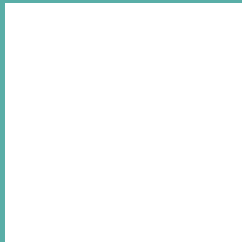
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 27.798, 189.016

Background



This preview shows how black text looks on a background with the CIELCh color 66, 27.798, 189.016.

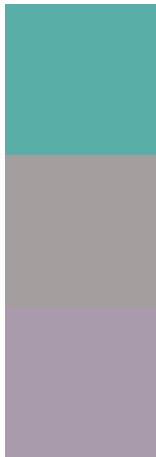


This preview shows how white text looks on a background with the CIELCh color 66, 27.798, 189.016.

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](#).

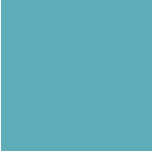
Dichromacy



Original Color
66, 27.798, 189.016

Protanopia
66, 1.268, 44.956

Deuteranopia
66, 10.368, 321.420



Tritanopia
66, 24.635, 214.751

Trichromacy



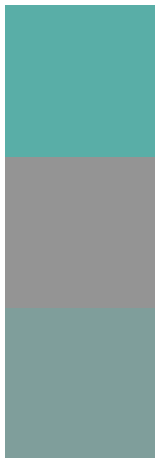
Original Color
66, 27.798, 189.016

Protanomaly
66, 10.900, 186.694

Deuteranomaly
65, 8.967, 228.673

Tritanomaly
66, 25.227, 205.057

Monochromacy



Original Color
66, 27.798, 189.016

Achromatopsia
61, 0.008, 296.813

Achromatomaly
63, 11.514, 189.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 27.798, 189.016 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(89, 174, 167)` looks like.

```
.text, #text, p{  
    color:rgb(89, 174, 167)  
}
```

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(89, 174, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 174, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 27.798, 189.016 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(89, 174, 167) }
```

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

```
.border{ border-color:rgb(89, 174, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 174, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 174, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 174, 167);  
box-shadow:4px 4px 4px 4px rgb(89, 174,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 27.798, 189.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 174, 167) }
```

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

```
.background{ background-color: rgb(89, 174,  
167) }
```

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