

Converting Colors

CIELCh(66, 18.202, 189.550)

Have a look what the booklet for
CIELCh(66, 18.202, 189.550)
contains.

CIELCh(66, 18.158, 189.045)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(66, 18.158, 189.045)

Conversions

Conversions Part 1

Format	Color
Hex	77AAA5
RGB	119, 170, 165
RGB Percent	47%, 67%, 65%
CMY	0.5338, 0.3338, 0.3535
CMYK	0.30, 0.00, 0.03, 0.33
HSL	174°, 23%, 57%
HSV	174°, 30%, 67%
XYZ	28.7189, 35.3238, 40.8387
YIQ	154.1810, -28.7910, -12.3670

Conversions

Conversions Part 2

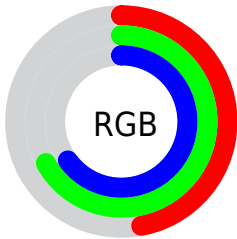
Format	Color
RYB	119, 146, 170
Decimal	7842469
CIELab	66.00, -17.93, -2.85
CIElCh	66, 18.158, 189.045
Yxy	35.3238, 0.2738, 0.3368
Android (android.graphics.Color)	4286032549 (0xFF77AAA5)
YUV	154.1810, 5.3338, -30.8537
Hunter-Lab	59.4338, -17.7565, 0.8638

Details

The CIELCh color **66, 18.158, 189.045** is a light color, and the websafe version is hex **669999**. A complement of this color would be **55, 21.380, 14.326**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 17.891, 189.713**, and **46, 18.322, 187.991** is the 20% darker color. If you saturate the color by 10%, you get **65, 23.381, 188.247**, and if you desaturate by 10%, it is **67, 12.455, 189.827**.

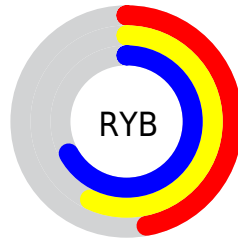
Distribution



Red (47%)

Green (67%)

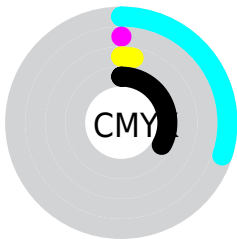
Blue (65%)



Red (47%)

Yellow (57%)

Blue (67%)

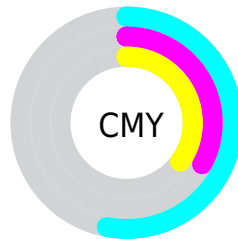


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (33%)



Cyan (53%)


Magenta (33%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 18.158, 189.045 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, 18.158, 189.045 by changing the saturation by 10% instead.


 66, 18.158,
189.045


 66, 18.158,
189.045


 100, 18.158,
189.045


 56, 18.158,
189.045


 86, 18.158,
189.045

 46, 18.158,
189.045

 96, 18.158,
189.045

 36, 18.158,
189.045

 26, 18.158,
189.045

 16, 18.158,
189.045

 6, 18.158, 189.045

 0, 18.158, 189.045

■ 66, 18.158,
189.045

■ 66, 18.158,
189.045

■ 65, 23.381,
188.247

■ 67, 12.455,
189.827

■ 64, 28.018,
187.433

■ 68, 6.373, 190.625

■ 70, 0.015, 225.869

■ 64, 31.980,
186.586

■ 71, 6.541, 11.977

■ 63, 35.200,
185.693

■ 73, 13.211, 12.751

■ 63, 37.650,
184.737

■ 74, 19.937, 13.491

■ 76, 26.672, 14.215

■ 63, 39.350,
183.700

■ 78, 33.378, 14.923

■ 63, 40.487,
182.599

■ 78, 33.470, 13.453

Harmonies

Complementary

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



66, 18.158, 189.045



55, 21.380, 14.326

Rectangle

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



66, 18.158, 189.045



66, 18.158, 239.045



66, 18.158, 9.045



66, 18.158, 59.045

Sweetspot

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



66, 18.159, 189.042



87, 7.123, 190.697



65, 33.382, 139.938



46, 4.976, 190.578



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



66, 18.159, 189.042



83, 26.461, 188.517



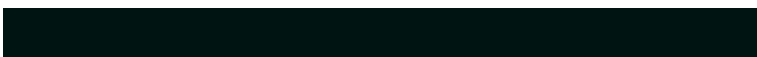
60, 15.279, 247.971



35, 3.576, 190.687



55, 36.524, 182.739



5, 6.712, 188.435

Inverse Universe

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



55, 21.380, 14.326



67, 32.445, 15.303



60, 17.463, 60.918



33, 3.749, 11.991



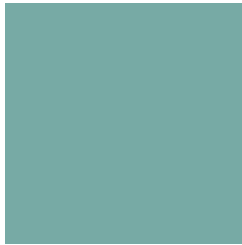
30, 65.519, 35.120



1, 6.632, 12.419

Previews

White Background



This preview shows how the CIELCh color 66, 18.158, 189.045 looks on a white background.

Color Contrast Check

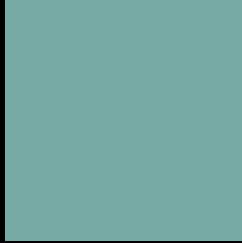
Large Text (above 18pt) WCAG AA × Fail

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 66, 18.158, 189.045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

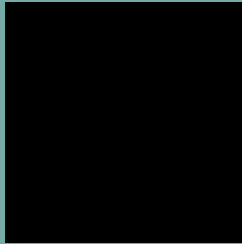
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 18.158, 189.045

Background



This preview shows how black text looks on a background with the CIELCh color 66, 18.158, 189.045.

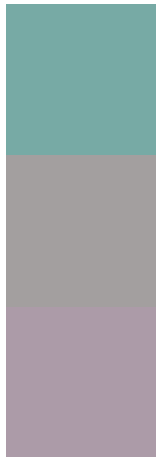


This preview shows how white text looks on a background with the CIELCh color 66, 18.158, 189.045.

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, 18.158, 189.045

Protanopia

66, 1.533, 19.241

Deuteranopia

66, 9.705, 332.388



Tritanopia
66, 16.477, 226.623

Trichromacy



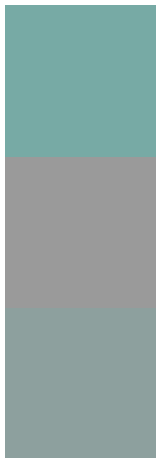
Original Color
66, 18.158, 189.045

Protanomaly
66, 6.088, 188.424

Deuteranomaly
66, 4.629, 256.548

Tritanomaly
66, 16.388, 211.930

Monochromacy



Original Color
66, 18.158, 189.045

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 7.181, 189.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 18.158, 189.045 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(119, 170, 165)` looks like.

```
.text, #text, p{  
    color:rgb(119, 170, 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(119, 170, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 170, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 18.158, 189.045 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(119, 170, 165) }
```

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

```
.border{ border-color:rgb(119, 170, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 170, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 170, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 170, 165);  
box-shadow:4px 4px 4px 4px rgb(119, 170,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 18.158, 189.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 170, 165) }
```

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

```
.background{ background-color: rgb(119,  
170, 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