

Converting Colors

CIELCh(65, 18.050, 187.129)

Have a look what the booklet for
CIELCh(65, 18.050, 187.129)
contains.

CIELCh(65, 18.039, 187.143)	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(65, 18.039, 187.143)

Conversions

Conversions Part 1

Format	Color
Hex	75A7A1
RGB	117, 167, 161
RGB Percent	46%, 65%, 63%
CMY	0.5407, 0.3446, 0.3682
CMYK	0.30, 0.00, 0.04, 0.34
HSL	173°, 22%, 56%
HSV	173°, 30%, 66%
XYZ	27.6346, 34.0472, 38.8867
YIQ	151.3660, -27.8740, -12.4660

Conversions

Conversions Part 2

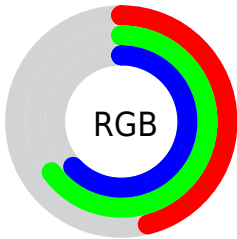
Format	Color
RYB	117, 144, 167
Decimal	7710625
CIELab	65.00, -17.90, -2.24
CIELCh	65, 18.039, 187.143
Yxy	34.0472, 0.2748, 0.3385
Android (android.graphics.Color)	4285900705 (0xFF75A7A1)
YUV	151.3660, 4.7496, -30.1390
Hunter-Lab	58.3500, -17.5748, 1.3318

Details

The CIELCh color **65, 18.039, 187.143** is a light color, and the websafe version is hex **669999**. A complement of this color would be **54, 21.036, 12.611**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 17.747, 187.890**, and **45, 18.049, 187.796** is the 20% darker color. If you saturate the color by 10%, you get **64, 23.290, 186.281**, and if you desaturate by 10%, it is **66, 12.331, 187.977**.

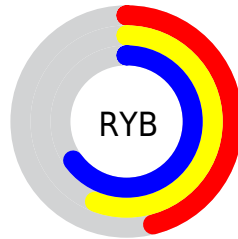
Distribution



Red (46%)

Green (65%)

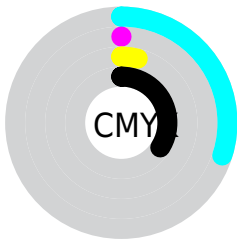
Blue (63%)



Red (46%)

Yellow (56%)

Blue (65%)

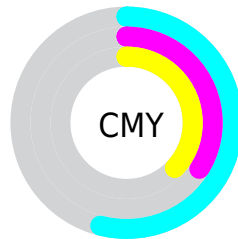


Cyan (30%)

Magenta (0%)

Yellow (4%)

Black (34%)



Cyan (54%)


Magenta (34%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 18.039, 187.143 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 65, 18.039, 187.143 by changing the saturation by 10% instead.


 65, 18.039,
187.143


 65, 18.039,
187.143


 100, 18.039,
187.143


 55, 18.039,
187.143


 85, 18.039,
187.143

 45, 18.039,
187.143

 95, 18.039,
187.143

 35, 18.039,
187.143

 25, 18.039,
187.143

 15, 18.039,
187.143

 5, 18.039, 187.143

 0, 18.039, 187.143

65, 18.039,
187.143

65, 18.039,
187.143

64, 23.290,
186.281

66, 12.331,
187.977

63, 27.979,
185.388

67, 6.268, 188.818

69, 0.053, 0.805

63, 32.016,
184.447

70, 6.547, 10.232

62, 35.332,
183.440

72, 13.142, 11.027

62, 37.895,
182.349

73, 19.778, 11.783

75, 26.411, 12.520

62, 39.722,
181.156

77, 33.005, 13.238

61, 40.999,
179.882

77, 34.668, 12.107

61, 41.008,

179.872

Harmonies

Complementary

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



65, 18.039, 187.143



54, 21.036, 12.611

Rectangle

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



65, 18.039, 187.143



65, 18.039, 237.143



65, 18.039, 7.143



65, 18.039, 57.143

Sweetspot

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



65, 18.040, 187.140



85, 7.035, 188.884



64, 32.485, 139.080



45, 4.916, 188.761



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



65, 18.040, 187.140



82, 26.252, 186.565



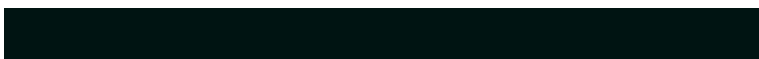
60, 14.759, 243.555



35, 3.600, 188.873



55, 37.437, 180.018



5, 6.772, 186.178

Inverse Universe

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



54, 21.036, 12.611



66, 31.821, 13.612



59, 17.132, 57.211



33, 3.764, 10.239



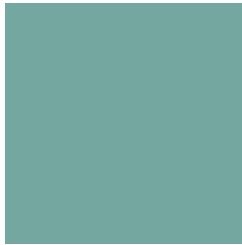
30, 64.621, 33.869



1, 6.659, 10.876

Previews

White Background



This preview shows how the CIELCh color 65, 18.039, 187.143 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 65, 18.039, 187.143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

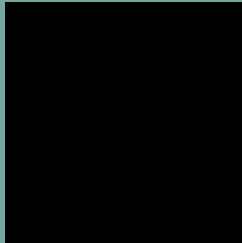
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 18.039, 187.143

Background



This preview shows how black text looks on a background with the CIELCh color 65, 18.039, 187.143.

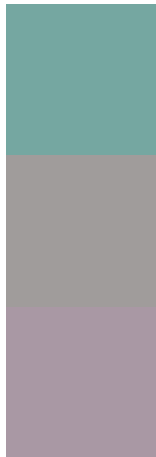


This preview shows how white text looks on a background with the CIELCh color 65, 18.039, 187.143.

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
65, 18.039, 187.143

Protanopia
65, 1.631, 39.132

Deuteranopia
65, 9.338, 334.690



Tritanopia
65, 16.300, 224.790

Trichromacy



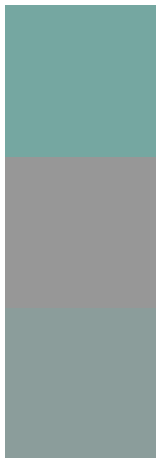
Original Color
65, 18.039, 187.143

Protanomaly
65, 6.257, 183.415

Deuteranomaly
64, 4.199, 252.184

Tritanomaly
65, 16.047, 210.208

Monochromacy



Original Color
65, 18.039, 187.143

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 6.845, 189.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 18.039, 187.143 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(117, 167, 161)` looks like.

```
.text, #text, p{  
    color:rgb(117, 167, 161)  
}
```

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(117, 167, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 167, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 18.039, 187.143 is called "border". The border property can be set on classes, ids or directly on the HTML element.

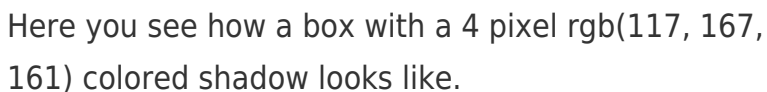
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 167, 161) }
```

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

```
.border{ border-color:rgb(117, 167, 161) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 167, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 167, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 167, 161); box-shadow:4px 4px 4px 4px rgb(117, 167, 161) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 18.039, 187.143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 167, 161) }
```

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

```
.background{ background-color: rgb(117,  
167, 161) }
```

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