

Converting Colors

CIELCh(66, 12.683, 177.338)

Have a look what the booklet for
CIELCh(66, 12.683, 177.338)
contains.

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Color

CIELCh(66, 12.659, 177.781)

Conversions

Conversions Part 1

Format	Color
Hex	87A79F
RGB	135, 167, 159
RGB Percent	53%, 65%, 62%
CMY	0.4703, 0.3448, 0.3762
CMYK	0.19, 0.00, 0.05, 0.34
HSL	165°, 15%, 59%
HSV	165°, 19%, 66%
XYZ	30.0969, 35.3238, 38.0630
YIQ	156.5200, -16.5040, -9.2720

Conversions

Conversions Part 2

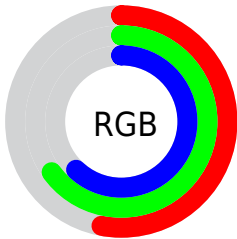
Format	Color
RYB	135, 153, 167
Decimal	8890271
CIELab	66.00, -12.65, 0.49
CIELCh	66, 12.659, 177.781
Yxy	35.3238, 0.2908, 0.3413
Android (android.graphics.Color)	4287080351 (0xFF87A79F)
YUV	156.5200, 1.2226, -18.8730
Hunter-Lab	59.4338, -13.6179, 3.6328

Details

The CIELCh color **66, 12.659, 177.781** is a light color, and the websafe version is hex **669999**. A complement of this color would be **59, 13.505, 1.410**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 12.394, 178.736**, and **46, 12.449, 178.419** is the 20% darker color. If you saturate the color by 10%, you get **65, 18.943, 176.753**, and if you desaturate by 10%, it is **67, 6.123, 178.761**.

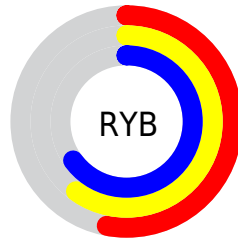
Distribution



Red (53%)

Green (65%)

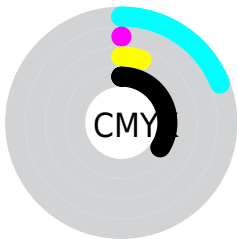
Blue (62%)



Red (53%)

Yellow (60%)

Blue (65%)

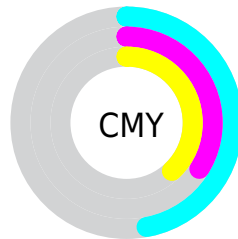


Cyan (19%)

Magenta (0%)

Yellow (5%)

Black (34%)



Cyan (47%)


Magenta (34%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 12.659, 177.781 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, 12.659, 177.781 by changing the saturation by 10% instead.


 66, 12.659,
177.781


 66, 12.659,
177.781


 100, 12.659,
177.781


 56, 12.659,
177.781


 86, 12.659,
177.781

 46, 12.659,
177.781

 96, 12.659,
177.781

 36, 12.659,
177.781

 26, 12.659,
177.781

 16, 12.659,
177.781

 6, 12.659, 177.781

 0, 12.659, 177.781

66, 12.659,
177.781

66, 12.659,
177.781

65, 18.943,
176.753

67, 6.123, 178.761

64, 24.867,
175.657

69, 0.573, 358.830

70, 7.348, 0.376

63, 30.322,
174.466

72, 14.137, 1.215

62, 35.203,
173.160

74, 20.889, 2.003

75, 27.565, 2.755

62, 39.427,
171.714

77, 34.140, 3.478

61, 42.943,
170.106


78, 35.707, 0.766

61, 45.751,
168.319

78, 36.326,
357.415

61, 47.998,

166.397

 61, 48.184,
166.239

Harmonies

Complementary

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



66, 12.659, 177.781



59, 13.505, 1.410

Rectangle

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



66, 12.659, 177.781



66, 12.659, 227.781



66, 12.659, 357.781



66, 12.659, 47.781

Sweetspot

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



66, 12.660, 177.777



86, 4.972, 179.074



66, 19.942, 135.914



46, 3.323, 179.008



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



66, 12.660, 177.777



83, 18.664, 177.348



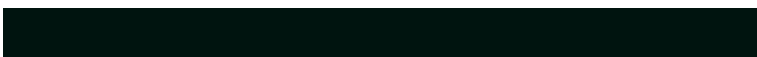
64, 9.638, 224.445



35, 3.807, 178.748



54, 43.919, 166.462



5, 7.283, 174.632

Inverse Universe

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



59, 13.505, 1.410



73, 20.217, 1.928



61, 10.862, 42.787



33, 3.927, 0.315



30, 59.559, 24.369



1, 6.913, 2.093

Previews

White Background



This preview shows how the CIELCh color 66, 12.659, 177.781 looks on a white background.

Color Contrast Check

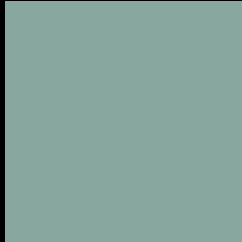
Large Text (above 18pt) WCAG AA × Fail

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, 12.659, 177.781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

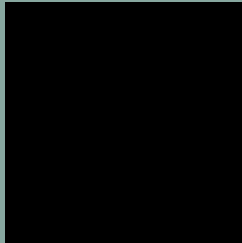
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

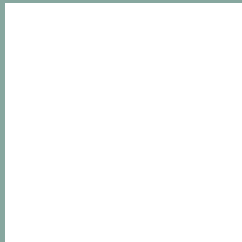
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 12.659, 177.781

Background



This preview shows how black text looks on a background with the CIELCh color 66, 12.659, 177.781.



This preview shows how white text looks on a background with the CIELCh color 66, 12.659, 177.781.

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, 12.659, 177.781

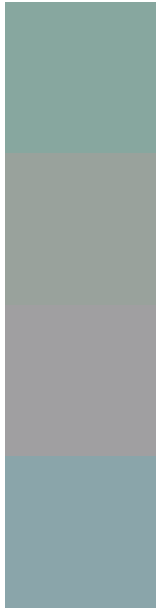
Protanopia
66, 2.922, 68.447

Deuteranopia
66, 8.637, 353.609



Tritanopia
66, 11.203, 239.062

Trichromacy



Original Color
66, 12.659, 177.781

Protanomaly
66, 4.802, 155.343

Deuteranomaly
66, 1.184, 309.036

Tritanomaly
66, 9.995, 214.827

Monochromacy



Original Color
66, 12.659, 177.781

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 4.843, 178.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 12.659, 177.781 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(135, 167, 159)` looks like.

```
.text, #text, p{  
    color:rgb(135, 167, 159)  
}
```

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(135, 167, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 167, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 12.659, 177.781 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(135, 167, 159) }
```

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

```
.border{ border-color:rgb(135, 167, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 167, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 167, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 167, 159);  
box-shadow:4px 4px 4px 4px rgb(135, 167,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 12.659, 177.781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 167, 159) }
```

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

```
.background{ background-color: rgb(135,  
167, 159) }
```

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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