

Converting Colors

CIELCh(66, 13.600, 215.830)

Have a look what the booklet for
CIELCh(66, 13.600, 215.830)
contains.

CIELCh(66, 13.679, 214.944)	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, 13.679, 214.944)

Conversions

Conversions Part 1

Format	Color
Hex	81A7AE
RGB	129, 167, 174
RGB Percent	51%, 65%, 68%
CMY	0.4944, 0.3454, 0.3179
CMYK	0.26, 0.04, 0.00, 0.32
HSL	189°, 22%, 59%
HSV	189°, 26%, 68%
XYZ	30.4792, 35.3238, 45.2170
YIQ	156.4360, -24.8950, -5.8790

Conversions

Conversions Part 2

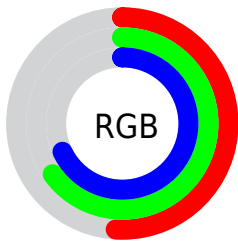
Format	Color
RYB	129, 150, 174
Decimal	8497070
CIELab	66.00, -11.21, -7.83
CIELCh	66, 13.679, 214.944
Yxy	35.3238, 0.2745, 0.3182
Android (android.graphics.Color)	4286687150 (0xFF81A7AE)
YUV	156.4360, 8.6591, -24.0614
Hunter-Lab	59.4338, -12.4699, -3.5039

Details

The CIELCh color `66, 13.679, 214.944` is a light color, and the websafe version is hex `669999`. A complement of this color would be `60, 16.328, 34.722`, and the grayscale version is `64, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 13.557, 214.379`, and `46, 13.751, 215.794` is the 20% darker color. If you saturate the color by 10%, you get `64, 18.248, 215.379`, and if you desaturate by 10%, it is `68, 8.665, 214.681`.

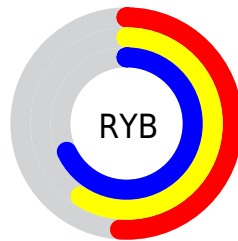
Distribution



Red (51%)

Green (65%)

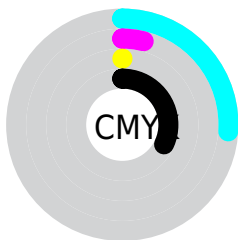
Blue (68%)



Red (51%)

Yellow (59%)

Blue (68%)

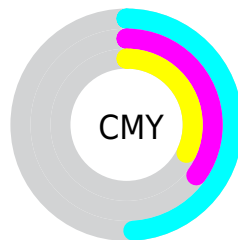


Cyan (26%)

Magenta (4%)

Yellow (0%)

Black (32%)



Cyan (49%)


Magenta (35%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 13.679, 214.944 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, 13.679, 214.944 by changing the saturation by 10% instead.


 66, 13.679,
214.944


 66, 13.679,
214.944


 100, 13.679,
214.944


 56, 13.679,
214.944


 86, 13.679,
214.944

 46, 13.679,
214.944

 96, 13.679,
214.944

 36, 13.679,
214.944

 26, 13.679,
214.944

 16, 13.679,
214.944

 6, 13.679, 214.944

 0, 13.679, 214.944

66, 13.679,
214.944

66, 13.679,
214.944

64, 18.248,
215.379

68, 8.665, 214.681

63, 22.283,
216.039

70, 3.292, 214.632

72, 2.363, 34.233

61, 25.704,
216.968

74, 8.232, 34.428

60, 28.443,
218.222

76, 14.258, 34.560

79, 20.394, 34.724

58, 30.466,
219.867

81, 26.600, 34.917

57, 31.784,
221.968

82, 27.679, 37.350

83, 27.130, 40.643

56, 32.477,
224.567

56, 32.694,

Harmonies

Complementary

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



66, 13.679, 214.944



60, 16.328, 34.722

Rectangle

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



66, 13.679, 214.944



66, 13.679, 264.944



66, 13.679, 34.944



66, 13.679, 84.944

Sweetspot

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



66, 13.679, 214.938



88, 5.538, 214.613



67, 27.296, 147.025



47, 3.952, 214.614



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, 13.679, 214.938



83, 19.926, 215.164



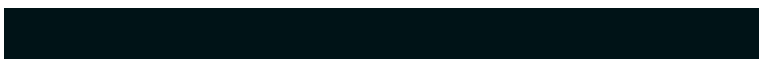
60, 17.235, 273.606



36, 3.139, 214.613



49, 29.390, 225.318



5, 6.558, 221.387

Inverse Universe

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



59, 27.263, 330.575



73, 40.499, 330.931



66, 17.427, 86.481



34, 5.919, 329.544



34, 69.172, 335.431



2, 11.909, 331.098

Previews

White Background



This preview shows how the CIELCh color 66, 13.679, 214.944 looks on a white background.

Color Contrast Check

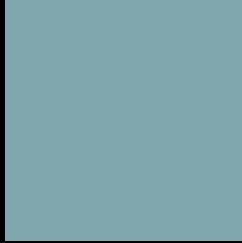
Large Text (above 18pt) WCAG AA × Fail

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, 13.679, 214.944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

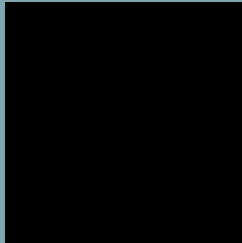
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 13.679, 214.944

Background



This preview shows how black text looks on a background with the CIELCh color 66, 13.679, 214.944.

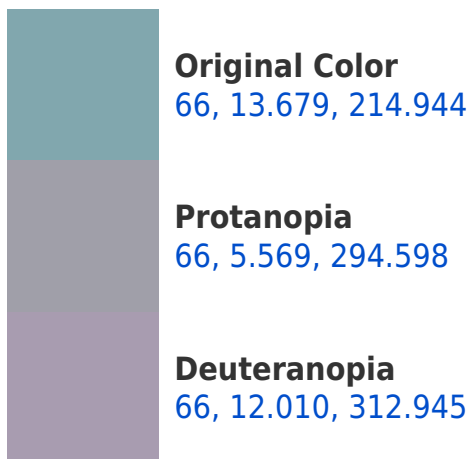


This preview shows how white text looks on a background with the CIELCh color 66, 13.679, 214.944.

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





Tritanopia
66, 14.113, 229.406

Trichromacy



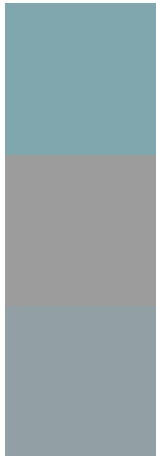
Original Color
66, 13.679, 214.944

Protanomaly
66, 6.796, 246.534

Deuteranomaly
66, 8.554, 276.301

Tritanomaly
66, 13.686, 225.103

Monochromacy



Original Color
66, 13.679, 214.944

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 5.410, 217.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 13.679, 214.944 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(129, 167, 174)` looks like.

```
.text, #text, p{  
    color:rgb(129, 167, 174)  
}
```

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(129, 167, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 167, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 13.679, 214.944 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(129, 167, 174) }
```

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

```
.border{ border-color:rgb(129, 167, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 167, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 167, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 167, 174);  
box-shadow:4px 4px 4px 4px rgb(129, 167,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 13.679, 214.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 167, 174) }
```

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

```
.background{ background-color: rgb(129,  
167, 174) }
```

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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