

Converting Colors

CIELCh(66, 13.569, 188.803)

Have a look what the booklet for
CIELCh(66, 13.569, 188.803)
contains.

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Color

CIELCh(66, 13.559, 188.813)

Conversions

Conversions Part 1

Format	Color
Hex	83A8A4
RGB	131, 168, 164
RGB Percent	51%, 66%, 64%
CMY	0.4877, 0.3427, 0.3584
CMYK	0.22, 0.00, 0.02, 0.34
HSL	174°, 17%, 58%
HSV	174°, 22%, 66%
XYZ	29.8988, 35.3238, 40.1821
YIQ	156.4810, -20.7680, -9.0880

Conversions

Conversions Part 2

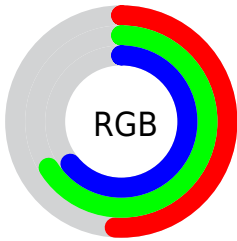
Format	Color
RYB	131, 151, 168
Decimal	8628388
CIELab	66.00, -13.40, -2.08
CIElCh	66, 13.559, 188.813
Yxy	35.3238, 0.2837, 0.3351
Android (android.graphics.Color)	4286818468 (0xFF83A8A4)
YUV	156.4810, 3.7069, -22.3468
Hunter-Lab	59.4338, -14.2129, 1.5189

Details

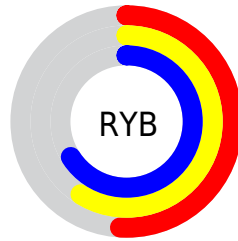
The CIELCh color **66, 13.559, 188.813** is a light color, and the websafe version is hex **669999**. A complement of this color would be **58, 15.192, 12.537**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 13.344, 189.428**, and **46, 13.818, 187.906** is the 20% darker color. If you saturate the color by 10%, you get **65, 19.149, 187.997**, and if you desaturate by 10%, it is **67, 7.584, 189.620**.

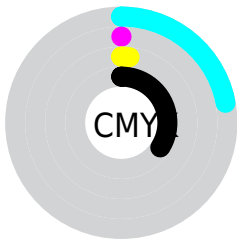
Distribution



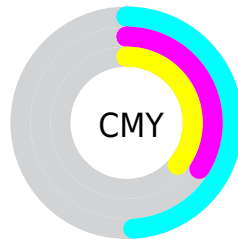
- Red (51%)
- Green (66%)
- Blue (64%)



- Red (51%)
- Yellow (59%)
- Blue (66%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (34%)





- Cyan (49%)
- Magenta (34%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 13.559, 188.813 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, 13.559, 188.813 by changing the saturation by 10% instead.


 66, 13.559,
188.813


 66, 13.559,
188.813


 100, 13.559,
188.813


 56, 13.559,
188.813


 86, 13.559,
188.813

 46, 13.559,
188.813

 96, 13.559,
188.813

 36, 13.559,
188.813

 26, 13.559,
188.813

 16, 13.559,
188.813

 6, 13.559, 188.813

 0, 13.559, 188.813

66, 13.559,
188.813

66, 13.559,
188.813

65, 19.149,
187.997

67, 7.584, 189.620

64, 24.248,
187.168

68, 1.321, 190.685

70, 5.141, 10.999

63, 28.756,
186.309

71, 11.726, 11.800

63, 32.586,
185.408

73, 18.373, 12.553

75, 25.030, 13.286

62, 35.679,
184.448

77, 31.662, 14.003

62, 38.012,
183.412

77, 34.437, 13.378

78, 34.463, 11.791

62, 39.617,
182.281

62, 40.540,

181.340

Harmonies

Complementary

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



66, 13.559, 188.813



58, 15.192, 12.537

Rectangle

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



66, 13.559, 188.813



66, 13.559, 238.813



66, 13.559, 8.813



66, 13.559, 58.813

Sweetspot

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



66, 13.560, 188.808



85, 5.471, 190.045



65, 24.150, 140.044



46, 3.580, 189.994



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, 13.560, 188.808



83, 19.462, 188.453



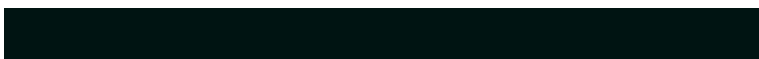
62, 11.169, 244.530



35, 3.587, 189.854



55, 36.934, 181.478



5, 6.738, 187.392

Inverse Universe

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



58, 15.192, 12.537



71, 22.352, 13.074



62, 12.348, 59.768



33, 3.755, 11.187



30, 65.112, 34.563



1, 6.644, 11.711

Previews

White Background



This preview shows how the CIELCh color 66, 13.559, 188.813 looks on a white background.

Color Contrast Check

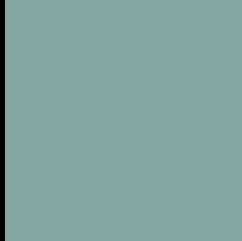
Large Text (above 18pt) WCAG AA × Fail

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, 13.559, 188.813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

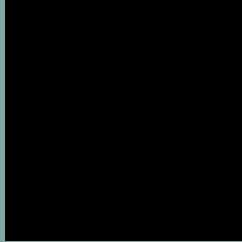
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 13.559, 188.813

Background



This preview shows how black text looks on a background with the CIELCh color 66, 13.559, 188.813.

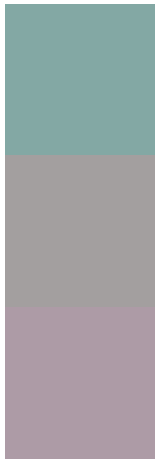


This preview shows how white text looks on a background with the CIELCh color 66, 13.559, 188.813.

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, 13.559, 188.813

Protanopia
66, 1.533, 19.241

Deuteranopia
66, 9.206, 338.851



Tritanopia
66, 13.047, 235.378

Trichromacy



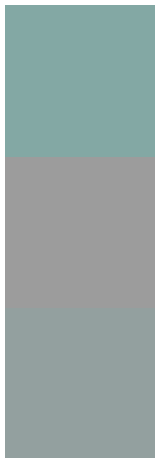
Original Color
66, 13.559, 188.813

Protanomaly
66, 4.171, 191.497

Deuteranomaly
66, 2.864, 275.317

Tritanomaly
66, 12.140, 217.246

Monochromacy



Original Color
66, 13.559, 188.813

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 4.912, 192.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 13.559, 188.813 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(131, 168, 164)` looks like.

```
.text, #text, p{  
    color:rgb(131, 168, 164)  
}
```

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(131, 168, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 168, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 13.559, 188.813 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(131, 168, 164) }
```

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

```
.border{ border-color:rgb(131, 168, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 168, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 168, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 168, 164);  
box-shadow:4px 4px 4px 4px rgb(131, 168,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 13.559, 188.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 168, 164) }
```

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

```
.background{ background-color: rgb(131,  
168, 164) }
```

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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