

Converting Colors

CIELCh(68, 21.705, 200.435)

Have a look what the booklet for
CIELCh(68, 21.705, 200.435)
contains.

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Color

CIELCh(68, 21.807, 200.588)

Conversions

Conversions Part 1

Format	Color
Hex	6FB1B3
RGB	111, 177, 179
RGB Percent	44%, 69%, 70%
CMY	0.5655, 0.3067, 0.2989
CMYK	0.38, 0.01, 0.00, 0.30
HSL	182°, 31%, 57%
HSV	182°, 38%, 70%
XYZ	30.3243, 37.9720, 48.2664
YIQ	157.4940, -39.9780, -13.3700

Conversions

Conversions Part 2

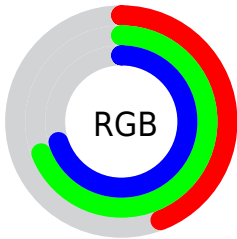
Format	Color
RYB	111, 144, 179
Decimal	7319987
CIELab	68.00, -20.41, -7.67
CIElCh	68, 21.807, 200.588
Yxy	37.9720, 0.2602, 0.3258
Android (android.graphics.Color)	4285510067 (0xFF6FB1B3)
YUV	157.4940, 10.6025, -40.7752
Hunter-Lab	61.6215, -19.9966, -3.3052

Details

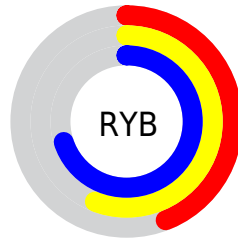
The CIELCh color **68, 21.807, 200.588** is a light color, and the websafe version is hex **669999**. A complement of this color would be **55, 28.543, 25.006**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 21.762, 200.764**, and **48, 21.845, 200.286** is the 20% darker color. If you saturate the color by 10%, you get **67, 26.224, 200.394**, and if you desaturate by 10%, it is **69, 16.748, 200.862**.

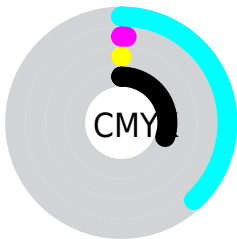
Distribution



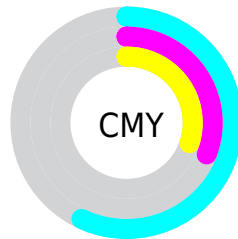
- Red (44%)
- Green (69%)
- Blue (70%)



- Red (44%)
- Yellow (56%)
- Blue (70%)



- Cyan (38%)
- Magenta (1%)
- Yellow (0%)
- Black (30%)



- Cyan (57%)
- Magenta (31%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 21.807, 200.588 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 68, 21.807, 200.588 by changing the saturation by 10% instead.

 68, 21.807,
200.588

 68, 21.807,
200.588

 100, 21.807,
200.588

 58, 21.807,
200.588

 88, 21.807,
200.588

 48, 21.807,
200.588

 98, 21.807,
200.588

 38, 21.807,
200.588

 28, 21.807,
200.588

 18, 21.807,
200.588

 8, 21.807, 200.588

 0, 21.807, 200.588

68, 21.807,
200.588

68, 21.807,
200.588

67, 26.224,
200.394

69, 16.748,
200.862

66, 29.912,
200.299

70, 11.146,
201.218

66, 32.807,
200.309

72, 5.104, 201.672

65, 34.884,
200.433

73, 1.280, 21.622

75, 7.917, 22.441

65, 36.164,
200.675

77, 14.731, 22.984

64, 36.771,
201.028

78, 21.660, 23.527

80, 28.651, 24.077

64, 36.864,
201.101

81, 28.943, 24.608

Harmonies

Complementary

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



68, 21.807, 200.588



55, 28.543, 25.006

Rectangle

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



68, 21.807, 200.588



68, 21.807, 250.588



68, 21.807, 20.588



68, 21.807, 70.588

Sweetspot

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



68, 21.807, 200.585



90, 8.571, 201.513



67, 44.814, 142.074



48, 5.784, 201.451



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 21.807, 200.585



85, 31.250, 200.413



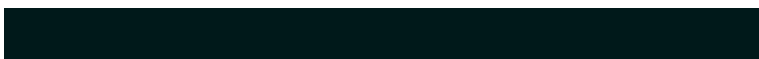
58, 22.196, 263.583



37, 3.582, 201.605



56, 32.879, 201.041



7, 8.737, 203.043

Inverse Universe

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



56, 44.369, 327.291



68, 65.505, 327.728



63, 24.417, 72.427



35, 6.617, 325.722



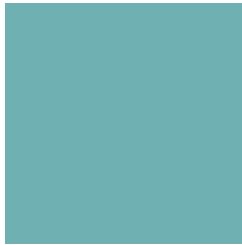
36, 77.157, 329.417



3, 15.771, 325.662

Previews

White Background



This preview shows how the CIELCh color 68, 21.807, 200.588 looks on a white background.

Color Contrast Check

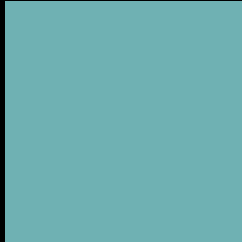
Large Text (above 18pt) WCAG AA × Fail

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 68, 21.807, 200.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

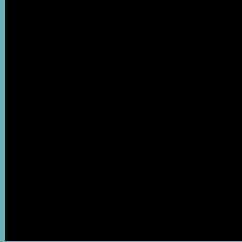
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 21.807, 200.588

Background



This preview shows how black text looks on a background with the CIELCh color 68, 21.807, 200.588.

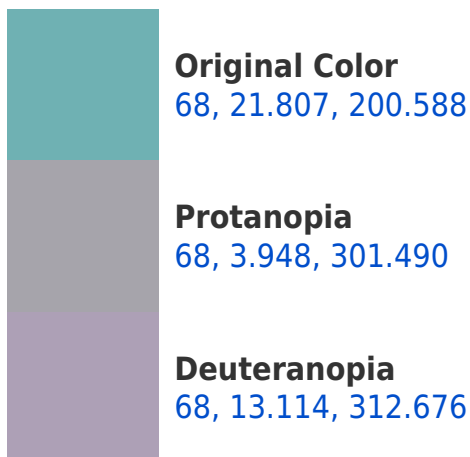


This preview shows how white text looks on a background with the CIELCh color 68, 21.807, 200.588.

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
68, 20.871, 219.828

Trichromacy



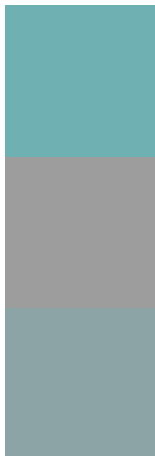
Original Color
68, 21.807, 200.588

Protanomaly
68, 8.657, 217.436

Deuteranomaly
67, 9.915, 256.008

Tritanomaly
68, 20.960, 211.629

Monochromacy



Original Color
68, 21.807, 200.588

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 8.758, 202.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 21.807, 200.588 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(111, 177, 179)` looks like.

```
.text, #text, p{  
    color:rgb(111, 177, 179)  
}
```

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(111, 177, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 177, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 21.807, 200.588 is called "border". The border property can be set on classes, ids or directly on the HTML element.

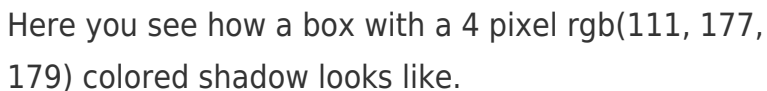
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 177, 179) }
```

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

```
.border{ border-color:rgb(111, 177, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(111, 177, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 177, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 177, 179);  
box-shadow:4px 4px 4px 4px rgb(111, 177,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 21.807, 200.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 177, 179) }
```

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

```
.background{ background-color: rgb(111,  
177, 179) }
```

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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