

Converting Colors

CIELCh(68, 22.517, 190.490)

Have a look what the booklet for
CIELCh(68, 22.517, 190.490)
contains.

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Color

CIELCh(68, 22.519, 190.485)

Conversions

Conversions Part 1

Format	Color
Hex	6FB1AC
RGB	111, 177, 172
RGB Percent	44%, 69%, 67%
CMY	0.5634, 0.3045, 0.3242
CMYK	0.37, 0.00, 0.03, 0.30
HSL	175°, 30%, 57%
HSV	175°, 37%, 70%
XYZ	29.8663, 37.9720, 44.9550
YIQ	156.6960, -37.7310, -15.5470

Conversions

Conversions Part 2

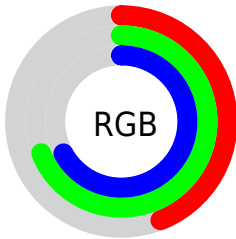
Format	Color
R_{YB}	111, 145, 177
Decimal	7319980
CIE _{Lab}	68.00, -22.14, -4.10
CIE _{LCh}	68, 22.519, 190.485
Yxy	37.9720, 0.2648, 0.3367
Android (android.graphics.Color)	4285510060 (0xFF6FB1AC)
YUV	156.6960, 7.5449, -40.0754
Hunter-Lab	61.6215, -21.3233, -0.1191

Details

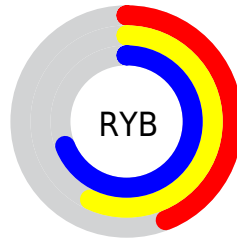
The CIELCh color **68, 22.519, 190.485** is a light color, and the websafe version is hex **669999**. A complement of this color would be **54, 28.051, 17.106**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 22.749, 189.924**, and **48, 22.393, 190.941** is the 20% darker color. If you saturate the color by 10%, you get **67, 27.395, 189.758**, and if you desaturate by 10%, it is **69, 17.049, 191.205**.

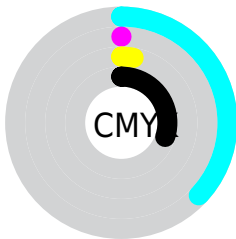
Distribution



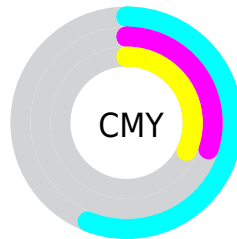
- Red (44%)
- Green (69%)
- Blue (67%)



- Red (44%)
- Yellow (57%)
- Blue (69%)



- Cyan (37%)
- Magenta (0%)
- Yellow (3%)
- Black (30%)



- Cyan (56%)
- Magenta (30%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 22.519, 190.485 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, 22.519, 190.485 by changing the saturation by 10% instead.

 68, 22.519,
190.485

 68, 22.519,
190.485

 100, 22.519,
190.485

 58, 22.519,
190.485

 88, 22.519,
190.485

 48, 22.519,
190.485

 98, 22.519,
190.485

 38, 22.519,
190.485

 28, 22.519,
190.485

 18, 22.519,
190.485

 8, 22.519, 190.485

 0, 22.519, 190.485

68, 22.519,
190.485

68, 22.519,
190.485

67, 27.395,
189.758

69, 17.049,
191.205

67, 31.578,
189.022

70, 11.092,
191.935

66, 34.997,
188.265

71, 4.753, 192.709

66, 37.611,
187.472

73, 1.866, 13.055

74, 8.677, 13.978

65, 39.431,
186.628

76, 15.605, 14.715

65, 40.554,
185.723

78, 22.590, 15.432

80, 29.584, 16.137

65, 40.821,
185.471

80, 30.277, 15.008

Harmonies

Complementary

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



68, 22.519, 190.485



54, 28.051, 17.106

Rectangle

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



68, 22.519, 190.485



68, 22.519, 240.485



68, 22.519, 10.485



68, 22.519, 60.485

Sweetspot

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



68, 22.519, 190.482



89, 8.861, 192.389



67, 42.955, 139.793



47, 5.930, 192.288



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 22.519, 190.482



85, 32.409, 189.864



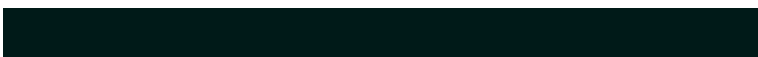
60, 19.588, 251.538



37, 3.733, 192.535



57, 36.577, 185.589



7, 9.299, 190.074

Inverse Universe

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



54, 28.051, 17.106



65, 42.755, 18.611



61, 22.993, 62.037



35, 3.924, 13.780



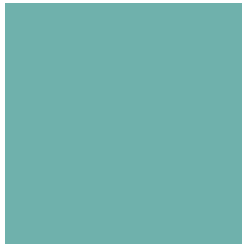
31, 68.158, 36.380



2, 9.199, 14.542

Previews

White Background



This preview shows how the CIELCh color 68, 22.519, 190.485 looks on a white background.

Color Contrast Check

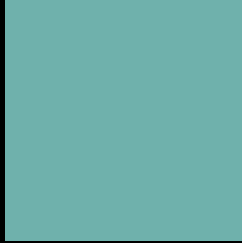
Large Text (above 18pt) WCAG AA × Fail

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, 22.519, 190.485 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, 22.519, 190.485

Background



This preview shows how black text looks on a background with the CIELCh color 68, 22.519, 190.485.

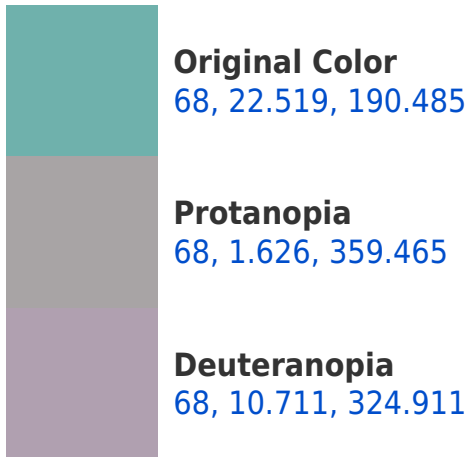


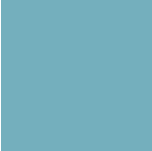
This preview shows how white text looks on a background with the CIELCh color 68, 22.519, 190.485.

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, 20.362, 220.438

Trichromacy



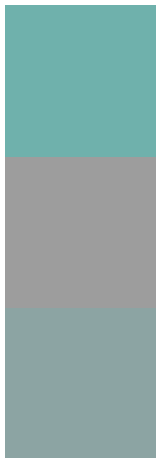
Original Color
68, 22.519, 190.485

Protanomaly
68, 8.089, 194.845

Deuteranomaly
67, 7.014, 244.359

Tritanomaly
68, 20.620, 208.690

Monochromacy



Original Color
68, 22.519, 190.485

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 8.832, 195.065

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 22.519, 190.485 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(111, 177, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 177, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 22.519, 190.485 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, 172) }
```

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

```
.border{ border-color:rgb(111, 177, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 177, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 177, 172);  
box-shadow:4px 4px 4px 4px rgb(111, 177,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 22.519, 190.485 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, 172) }
```

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

```
.background{ background-color: rgb(111,  
177, 172) }
```

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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