

Converting Colors

CIELCh(68, 20.132, 194.657)

Have a look what the booklet for
CIELCh(68, 20.132, 194.657)
contains.

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Color

CIELCh(68, 20.135, 194.604)

Conversions

Conversions Part 1

Format	Color
Hex	75B0AE
RGB	117, 176, 174
RGB Percent	46%, 69%, 68%
CMY	0.5405, 0.3091, 0.3170
CMYK	0.33, 0.00, 0.01, 0.31
HSL	178°, 27%, 58%
HSV	178°, 33%, 69%
XYZ	30.5725, 37.9720, 45.8472
YIQ	158.1310, -34.5220, -13.1300

Conversions

Conversions Part 2

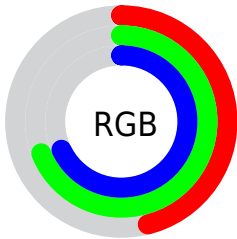
Format	Color
RYB	117, 147, 176
Decimal	7712942
CIELab	68.00, -19.48, -5.08
CIELCh	68, 20.135, 194.604
Yxy	37.9720, 0.2673, 0.3319
Android (android.graphics.Color)	4285903022 (0xFF75B0AE)
YUV	158.1310, 7.8234, -36.0719
Hunter-Lab	61.6215, -19.2775, -0.9776

Details

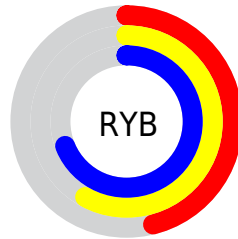
The CIELCh color **68, 20.135, 194.604** is a light color, and the websafe version is hex **669999**. A complement of this color would be **55, 24.939, 19.735**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 20.344, 193.614**, and **48, 19.924, 195.596** is the 20% darker color. If you saturate the color by 10%, you get **67, 25.063, 194.052**, and if you desaturate by 10%, it is **69, 14.627, 195.181**.

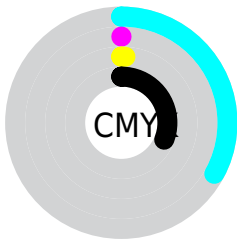
Distribution



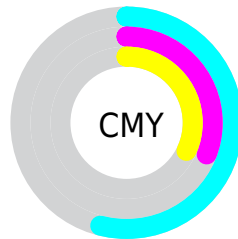
- Red (46%)
- Green (69%)
- Blue (68%)



- Red (46%)
- Yellow (58%)
- Blue (69%)



- Cyan (33%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)




- Cyan (54%)
- Magenta (31%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 20.135, 194.604 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, 20.135, 194.604 by changing the saturation by 10% instead.


 68, 20.135,
194.604


 68, 20.135,
194.604


 100, 20.135,
194.604


 58, 20.135,
194.604


 88, 20.135,
194.604

 48, 20.135,
194.604

 98, 20.135,
194.604

 38, 20.135,
194.604

 28, 20.135,
194.604

 18, 20.135,
194.604

 8, 20.135, 194.604

 0, 20.135, 194.604

68, 20.135,
194.604

68, 20.135,
194.604

67, 25.063,
194.052

69, 14.627,
195.181

66, 29.313,
193.531

70, 8.643, 195.801

71, 2.287, 196.579

66, 32.808,
193.036

73, 4.344, 16.881

66, 35.502,
192.560

74, 11.166, 17.599

65, 37.391,
192.095

76, 18.108, 18.271

78, 25.112, 18.938

65, 38.525,
191.629

79, 30.890, 19.382

65, 39.010,
191.325

79, 30.864, 18.802

Harmonies

Complementary

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



68, 20.135, 194.604



55, 24.939, 19.735

Rectangle

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



68, 20.135, 194.604



68, 20.135, 244.604



68, 20.135, 14.604



68, 20.135, 64.604

Sweetspot

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



68, 20.135, 194.601



89, 8.007, 196.022



67, 38.931, 140.902



47, 5.439, 195.929



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, 20.135, 194.601



86, 28.943, 194.202



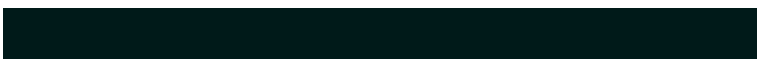
60, 18.134, 254.938



37, 3.704, 196.080



57, 35.147, 191.380



7, 9.186, 195.022

Inverse Universe

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



55, 24.939, 19.735



67, 37.780, 20.827



62, 20.492, 66.024



35, 3.911, 17.162



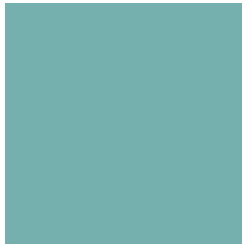
31, 69.671, 38.157



2, 9.167, 17.222

Previews

White Background



This preview shows how the CIELCh color 68, 20.135, 194.604 looks on a white background.

Color Contrast Check

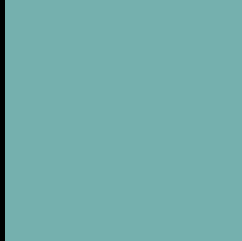
Large Text (above 18pt) WCAG AA × Fail

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, 20.135, 194.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

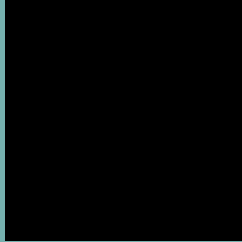
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

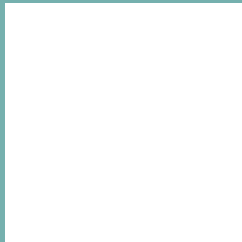
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 20.135, 194.604

Background



This preview shows how black text looks on a background with the CIELCh color 68, 20.135, 194.604.

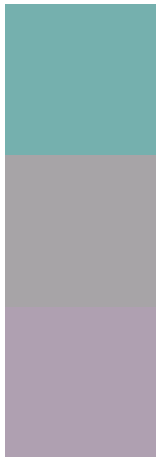


This preview shows how white text looks on a background with the CIELCh color 68, 20.135, 194.604.

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

68, 20.135, 194.604

Protanopia

68, 2.023, 324.427

Deuteranopia

68, 10.972, 321.647



Tritanopia
68, 18.812, 222.525

Trichromacy



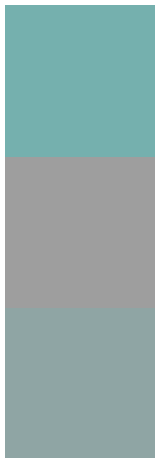
Original Color
68, 20.135, 194.604

Protanomaly
67, 7.006, 207.977

Deuteranomaly
67, 6.946, 251.959

Tritanomaly
68, 18.717, 211.715

Monochromacy



Original Color
68, 20.135, 194.604

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 8.119, 194.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 20.135, 194.604 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(117, 176, 174)` looks like.

```
.text, #text, p{  
    color:rgb(117, 176, 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(117, 176, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 176, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 20.135, 194.604 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(117, 176, 174) }
```

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

```
.border{ border-color:rgb(117, 176, 174) }
```

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

Here you see how a box with a 4 pixel rgb(117, 176, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 176, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 176, 174);  
box-shadow:4px 4px 4px 4px rgb(117, 176,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 20.135, 194.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 176, 174) }
```

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

```
.background{ background-color: rgb(117,  
176, 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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