

Converting Colors

CIELCh(68, 24.043, 216.578)

Have a look what the booklet for
CIELCh(68, 24.043, 216.578)
contains.

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Color

CIELCh(68, 24.043, 216.575)

Conversions

Conversions Part 1

Format	Color
Hex	67B1BF
RGB	103, 177, 191
RGB Percent	40%, 69%, 75%
CMY	0.5970, 0.3068, 0.2519
CMYK	0.46, 0.07, 0.00, 0.25
HSL	190°, 41%, 58%
HSV	190°, 46%, 75%
XYZ	30.6197, 37.9720, 54.8687
YIQ	156.4700, -48.5980, -11.3340

Conversions

Conversions Part 2

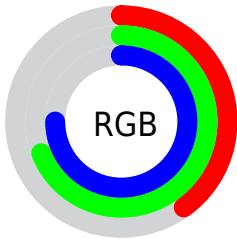
Format	Color
RYB	103, 143, 191
Decimal	6795711
CIELab	68.00, -19.31, -14.33
CIElCh	68, 24.043, 216.575
Yxy	37.9720, 0.2480, 0.3076
Android (android.graphics.Color)	4284985791 (0xFF67B1BF)
YUV	156.4700, 17.0233, -46.8932
Hunter-Lab	61.6215, -19.1409, -9.6577

Details

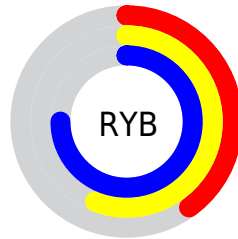
The CIELCh color **68, 24.043, 216.575** is a light color, and the websafe version is hex **669999**. A complement of this color would be **57, 34.042, 36.081**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 23.992, 215.877**, and **48, 24.110, 217.473** is the 20% darker color. If you saturate the color by 10%, you get **66, 27.685, 217.559**, and if you desaturate by 10%, it is **70, 19.731, 215.867**.

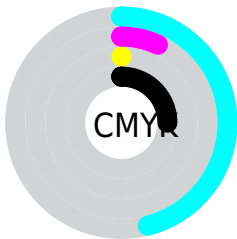
Distribution



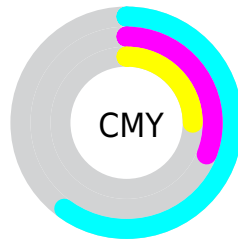
- Red (40%)
- Green (69%)
- Blue (75%)



- Red (40%)
- Yellow (56%)
- Blue (75%)



- Cyan (46%)
- Magenta (7%)
- Yellow (0%)
- Black (25%)





- Cyan (60%)
- Magenta (31%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 24.043, 216.575 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, 24.043, 216.575 by changing the saturation by 10% instead.


 68, 24.043,
216.575


 68, 24.043,
216.575


 100, 24.043,
216.575


 58, 24.043,
216.575


 88, 24.043,
216.575


 48, 24.043,
216.575

 98, 24.043,
216.575

 38, 24.043,
216.575

 28, 24.043,
216.575

 18, 24.043,
216.575

 8, 24.043, 216.575

 0, 24.043, 216.575

68, 24.043,
216.575

68, 24.043,
216.575

66, 27.685,
217.559

70, 19.731,
215.867

65, 30.589,
218.886

72, 14.839,
215.391

64, 32.720,
220.623

74, 9.462, 215.104

62, 34.093,
222.836

76, 3.694, 215.027

78, 2.382, 34.604

61, 34.802,
225.570

80, 8.690, 34.795

61, 35.004,
226.696

83, 15.169, 34.915

85, 21.621, 35.156

86, 20.984, 39.924

Harmonies

Complementary

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



68, 24.043, 216.575



57, 34.042, 36.081

Rectangle

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



68, 24.043, 216.575



68, 24.043, 266.575



68, 24.043, 36.575



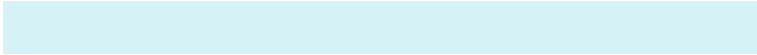
68, 24.043, 86.575

Sweetspot

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



68, 24.043, 216.573



94, 10.198, 215.070



70, 51.820, 144.975



50, 7.053, 215.110



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



68, 24.043, 216.573



84, 33.551, 217.530



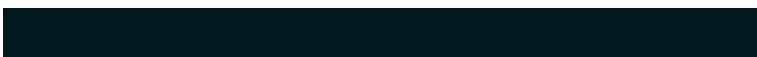
56, 33.609, 277.941



39, 3.358, 215.018



51, 30.466, 226.213



7, 9.680, 221.328

Inverse Universe

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



56, 51.388, 332.006



67, 73.958, 332.640



67, 34.173, 83.693



37, 6.333, 329.669



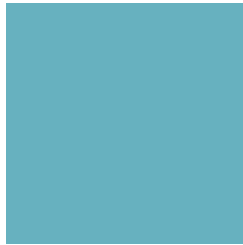
36, 71.508, 335.660



3, 18.355, 332.050

Previews

White Background



This preview shows how the CIELCh color 68, 24.043, 216.575 looks on a white background.

Color Contrast Check

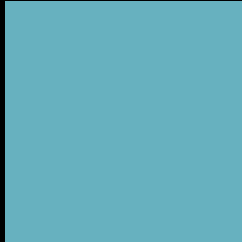
Large Text (above 18pt) WCAG AA × Fail

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 68, 24.043, 216.575 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, 24.043, 216.575

Background



This preview shows how black text looks on a background with the CIELCh color 68, 24.043, 216.575.

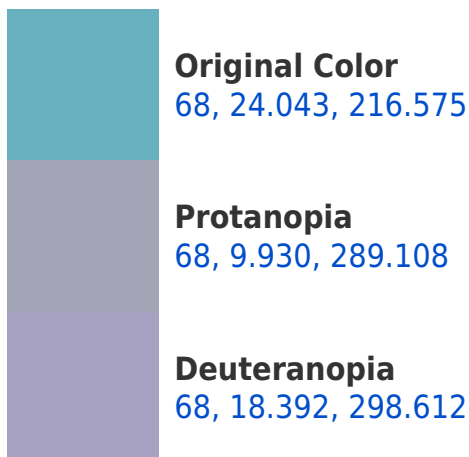


This preview shows how white text looks on a background with the CIELCh color 68, 24.043, 216.575.

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, 24.043, 216.575

Trichromacy



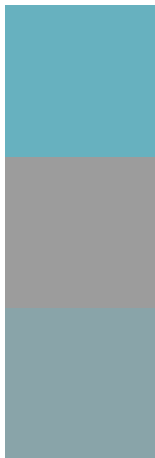
Original Color
68, 24.043, 216.575

Protanomaly
68, 12.890, 242.234

Deuteranomaly
68, 16.100, 262.511

Tritanomaly
68, 24.043, 216.575

Monochromacy



Original Color
68, 24.043, 216.575

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 10.003, 214.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 24.043, 216.575 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(103, 177, 191)` looks like.

```
.text, #text, p{  
    color:rgb(103, 177, 191)  
}
```

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(103, 177, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 177, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 24.043, 216.575 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(103, 177, 191) }
```

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

```
.border{ border-color:rgb(103, 177, 191) }
```

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

Here you see how a box with a 4 pixel rgb(103, 177, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 177, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 177, 191);  
box-shadow:4px 4px 4px 4px rgb(103, 177,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 24.043, 216.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 177, 191) }
```

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

```
.background{ background-color: rgb(103,  
177, 191) }
```

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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