

Converting Colors

CIELCh(68, 24.574, 200.241)

Have a look what the booklet for
CIELCh(68, 24.574, 200.241)
contains.

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Color

CIELCh(68, 24.461, 200.070)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 66B2B4 |
| RGB | 102, 178, 180 |
| RGB Percent | 40%, 70%, 71% |
| CMY | 0.5999, 0.3019, 0.2940 |
| CMYK | 0.43, 0.01, 0.00, 0.29 |
| HSL | 182°, 34%, 55% |
| HSV | 182°, 43%, 71% |
| XYZ | 29.6474, 37.9720, 48.9589 |
| YIQ | 155.5040, -45.9380, -15.4900 |

Conversions

Conversions Part 2

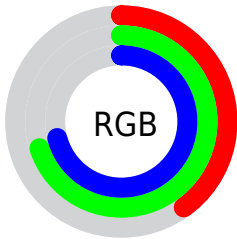
| Format | Color |
|-------------------------------------|--|
| RYB | 102, 140, 180 |
| Decimal | 6730420 |
| CIELab | 68.00, -22.98, -8.39 |
| CIElCh | 68, 24.461, 200.070 |
| Yxy | 37.9720, 0.2543, 0.3257 |
| Android (android.graphics.Color) | 4284920500 (0xFF66B2B4) |
| YUV | 155.5040, 12.0765, -46.9230 |
| Hunter-Lab | 61.6215, -21.9574, -3.9715 |

Details

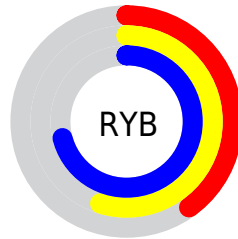
The CIELCh color **68, 24.461, 200.070** is a light color, and the websafe version is hex **669999**. A complement of this color would be **52, 33.418, 25.500**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 24.572, 200.269**, and **48, 24.555, 199.685** is the 20% darker color. If you saturate the color by 10%, you get **67, 28.540, 199.901**, and if you desaturate by 10%, it is **69, 19.685, 200.321**.

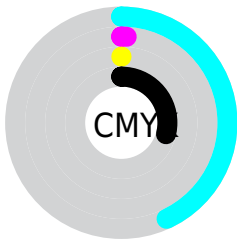
Distribution



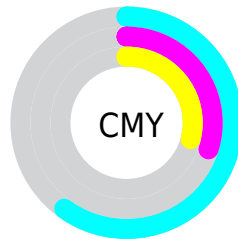
- Red (40%)
- Green (70%)
- Blue (71%)



- Red (40%)
- Yellow (55%)
- Blue (71%)



- Cyan (43%)
- Magenta (1%)
- Yellow (0%)
- Black (29%)





- Cyan (60%)
- Magenta (30%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 24.461, 200.070 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, 24.461, 200.070 by changing the saturation by 10% instead.

 68, 24.461,
200.070


 68, 24.461,
200.070


 100, 24.461,
200.070


 58, 24.461,
200.070


 88, 24.461,
200.070

 48, 24.461,
200.070

 98, 24.461,
200.070

 38, 24.461,
200.070

 28, 24.461,
200.070

 18, 24.461,
200.070

 8, 24.461, 200.070

 0, 24.461, 200.070

68, 24.461,
200.070

68, 24.461,
200.070

67, 28.540,
199.901

69, 19.685,
200.321

66, 31.846,
199.831

70, 14.307,
200.654

66, 34.335,
199.865

71, 8.430, 201.064

66, 36.005,
200.008

73, 2.157, 201.679

74, 4.417, 21.804

65, 36.910,
200.262

76, 11.208, 22.386

65, 37.238,
200.473

78, 18.146, 22.937

80, 25.172, 23.494

81, 28.605, 24.008

Harmonies

Complementary

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



68, 24.461, 200.070



52, 33.418, 25.500

Rectangle

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



68, 24.461, 200.070



68, 24.461, 250.070



68, 24.461, 20.070



68, 24.461, 70.070

Sweetspot

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



68, 24.461, 200.068



91, 10.201, 201.069



67, 51.067, 141.542



48, 7.088, 200.972



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, 24.461, 200.068



85, 34.600, 199.907



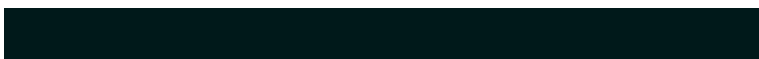
57, 25.347, 264.843



37, 3.596, 201.259



56, 33.042, 200.419



7, 8.786, 202.523

Inverse Universe

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



54, 50.614, 327.449



66, 73.894, 327.900



62, 28.293, 71.742



35, 6.634, 325.618



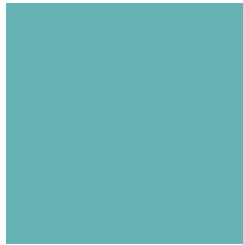
36, 77.382, 329.261



3, 15.833, 325.502

Previews

White Background



This preview shows how the CIE LCh color 68, 24.461, 200.070 looks on a white background.

Color Contrast Check

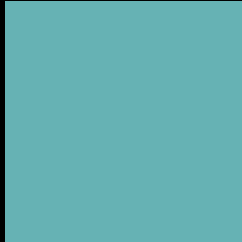
Large Text (above 18pt) WCAG AA × Fail

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, 24.461, 200.070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

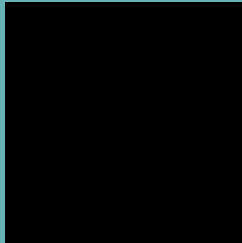
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 24.461, 200.070

Background



This preview shows how black text looks on a background with the CIELCh color 68, 24.461, 200.070.

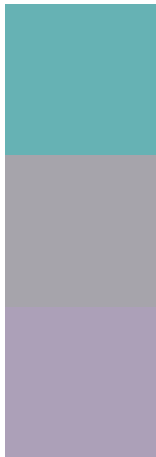


This preview shows how white text looks on a background with the CIELCh color 68, 24.461, 200.070.

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, 24.461, 200.070

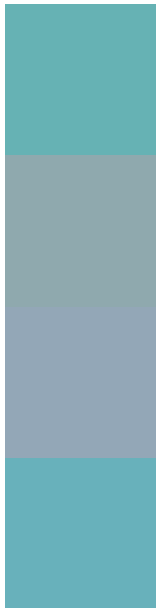
Protanopia
68, 3.948, 301.490

Deuteranopia
68, 14.024, 309.648



Tritanopia
68, 23.429, 218.617

Trichromacy



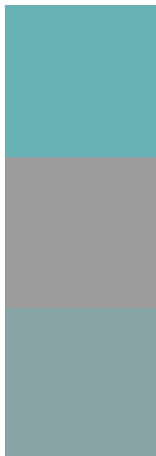
Original Color
68, 24.461, 200.070

Protanomaly
67, 9.638, 215.405

Deuteranomaly
67, 11.124, 251.813

Tritanomaly
68, 23.565, 211.289

Monochromacy



Original Color
68, 24.461, 200.070

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 10.141, 201.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 24.461, 200.070 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(102, 178, 180)` looks like.

```
.text, #text, p{  
    color:rgb(102, 178, 180)  
}
```

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(102, 178, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 178, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 24.461, 200.070 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(102, 178, 180) }
```

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

```
.border{ border-color:rgb(102, 178, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 178, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 178, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 178, 180);  
box-shadow:4px 4px 4px 4px rgb(102, 178,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 24.461, 200.070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 178, 180) }
```

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

```
.background{ background-color: rgb(102,  
178, 180) }
```

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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