

Converting Colors

CIELCh(67, 30.037, 231.377)

Have a look what the booklet for
CIELCh(67, 30.037, 231.377)
contains.

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Color

CIELCh(67, 30.024, 230.232)

Conversions

Conversions Part 1

Format	Color
Hex	51AFCC
RGB	81, 175, 204
RGB Percent	32%, 69%, 80%
CMY	0.6836, 0.3148, 0.2011
CMYK	0.60, 0.14, 0.00, 0.20
HSL	194°, 55%, 56%
HSV	194°, 60%, 80%
XYZ	29.5058, 36.6320, 62.4619
YIQ	150.2000, -65.3330, -10.9090

Conversions

Conversions Part 2

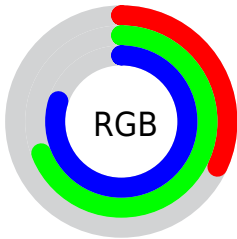
Format	Color
R _Y B	81, 134, 204
Decimal	5353420
CIE Lab	67.00, -19.21, -23.08
CIE LCh	67, 30.024, 230.232
Yxy	36.6320, 0.2294, 0.2849
Android (android.graphics.Color)	4283543500 (0xFF51AFCC)
YUV	150.2000, 26.5234, -60.6884
Hunter-Lab	60.5244, -18.8983, -18.8210

Details

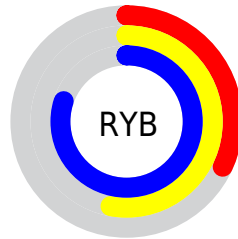
The CIELCh color **67, 30.024, 230.232** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **57, 47.482, 43.370**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 28.940, 223.826**, and **47, 29.390, 231.995** is the 20% darker color. If you saturate the color by 10%, you get **65, 32.957, 232.675**, and if you desaturate by 10%, it is **69, 26.405, 228.311**.

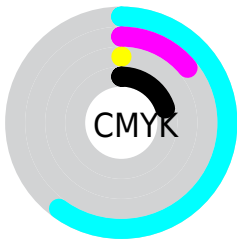
Distribution



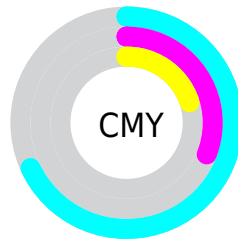
- Red (32%)
- Green (69%)
- Blue (80%)



- Red (32%)
- Yellow (53%)
- Blue (80%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)





- Cyan (68%)
- Magenta (31%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 30.024, 230.232 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 67, 30.024, 230.232 by changing the saturation by 10% instead.

 67, 30.024,
230.232


 67, 30.024,
230.232


 100, 30.024,
230.232


 57, 30.024,
230.232


 87, 30.024,
230.232

 47, 30.024,
230.232

 97, 30.024,
230.232

 37, 30.024,
230.232

 27, 30.024,
230.232

 17, 30.024,
230.232

 7, 30.024, 230.232

 0, 30.024, 230.232

67, 30.024,
230.232

67, 30.024,
230.232

65, 32.957,
232.675

69, 26.405,
228.311

63, 35.216,
235.732

71, 22.145,
226.826

61, 36.877,
239.462

74, 17.314,
225.695

60, 38.120,
243.569

76, 11.997,
224.849

79, 6.281, 224.250

82, 0.246, 225.889

85, 6.035, 43.275

88, 12.500, 43.093

90, 15.906, 47.647

Harmonies

Complementary

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



67, 30.024, 230.232



57, 47.482, 43.370

Rectangle

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



67, 30.024, 230.232



67, 30.024, 280.232



67, 30.024, 50.232



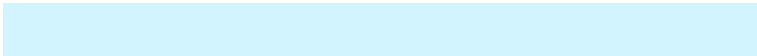
67, 30.024, 100.232

Sweetspot

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



67, 30.023, 230.231



94, 12.785, 224.699



73, 65.677, 145.762



49, 8.808, 224.906



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 30.023, 230.231



79, 39.790, 233.394



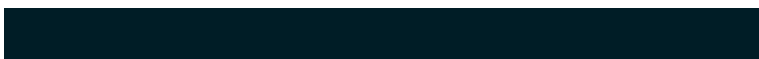
49, 52.937, 287.617



42, 3.440, 224.205



49, 32.597, 242.839



9, 11.761, 232.516

Inverse Universe

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



54, 64.903, 336.176



62, 87.582, 337.319



71, 49.977, 88.337



40, 6.396, 332.376



37, 69.940, 340.283



5, 23.945, 337.171

Previews

White Background



This preview shows how the CIE LCh color 67, 30.024, 230.232 looks on a white background.

Color Contrast Check

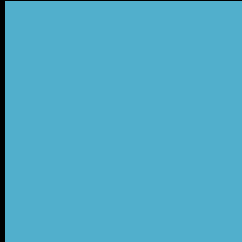
Large Text (above 18pt) WCAG AA × Fail

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 67, 30.024, 230.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

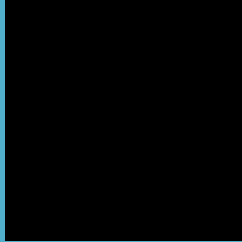
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 30.024, 230.232

Background



This preview shows how black text looks on a background with the CIELCh color 67, 30.024, 230.232.

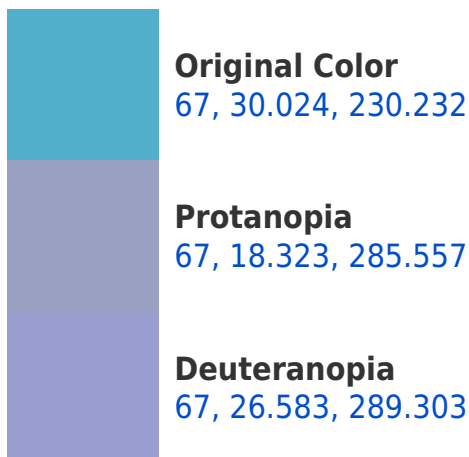


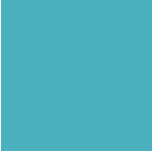
This preview shows how white text looks on a background with the CIELCh color 67, 30.024, 230.232.

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
67, 29.829, 212.410

Trichromacy



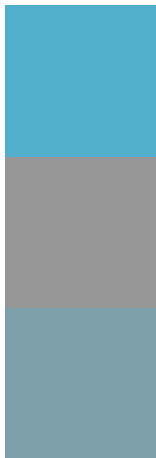
Original Color
67, 30.024, 230.232

Protanomaly
66, 21.129, 256.249

Deuteranomaly
66, 25.172, 263.990

Tritanomaly
67, 29.616, 219.524

Monochromacy



Original Color
67, 30.024, 230.232

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 13.173, 226.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 30.024, 230.232 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(81, 175, 204)` looks like.

```
.text, #text, p{  
    color:rgb(81, 175, 204)  
}
```

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(81, 175, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 175, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 30.024, 230.232 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(81, 175, 204) }
```

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

```
.border{ border-color:rgb(81, 175, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 175, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 175, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 175, 204);  
box-shadow:4px 4px 4px 4px rgb(81, 175,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 30.024, 230.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 175, 204) }
```

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

```
.background{ background-color: rgb(81, 175,  
204) }
```

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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