

Converting Colors

CIELCh(70, 29.914, 245.632)

Have a look what the booklet for
CIELCh(70, 29.914, 245.632)
contains.

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Color

CIELCh(70, 29.917, 245.770)

Conversions

Conversions Part 1

Format	Color
Hex	69B4DC
RGB	105, 180, 220
RGB Percent	41%, 71%, 86%
CMY	0.5887, 0.2946, 0.1377
CMYK	0.52, 0.18, 0.00, 0.14
HSL	201°, 62%, 64%
HSV	201°, 52%, 86%
XYZ	35.0086, 40.7494, 73.6422
YIQ	162.1350, -57.5400, -3.4600

Conversions

Conversions Part 2

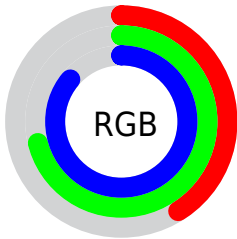
Format	Color
RYB	105, 150, 220
Decimal	6927580
CIELab	70.00, -12.28, -27.28
CIELCh	70, 29.917, 245.770
Yxy	40.7494, 0.2343, 0.2728
Android (android.graphics.Color)	4285117660 (0xFF69B4DC)
YUV	162.1350, 28.5274, -50.1074
Hunter-Lab	63.8353, -13.8185, -23.7140

Details

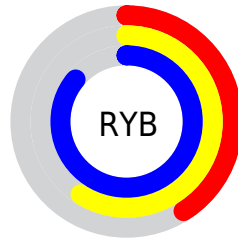
The CIELCh color **70, 29.917, 245.770** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **67, 40.708, 53.633**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 24.306, 222.294**, and **50, 30.051, 246.214** is the 20% darker color. If you saturate the color by 10%, you get **67, 34.381, 248.681**, and if you desaturate by 10%, it is **73, 24.984, 243.402**.

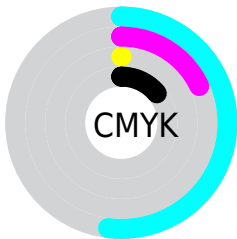
Distribution



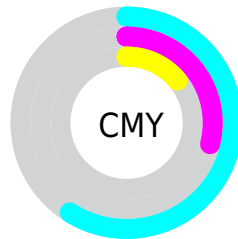
- Red (41%)
- Green (71%)
- Blue (86%)



- Red (41%)
- Yellow (59%)
- Blue (86%)



- Cyan (52%)
- Magenta (18%)
- Yellow (0%)
- Black (14%)





- Cyan (59%)
- Magenta (29%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 29.917, 245.770 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 70, 29.917, 245.770 by changing the saturation by 10% instead.


 70, 29.917,
245.770


 70, 29.917,
245.770


 100, 29.917,
245.770


 60, 29.917,
245.770


 90, 29.917,
245.770

 50, 29.917,
245.770

 40, 29.917,
245.770

 30, 29.917,
245.770

 20, 29.917,
245.770

 10, 29.917,
245.770

 0, 29.917, 245.770

70, 29.917,
245.770

70, 29.917,
245.770

67, 34.381,
248.681

73, 24.984,
243.402

64, 38.386,
252.214

76, 19.617,
241.494

61, 41.999,
256.404

80, 13.870,
239.964

59, 45.356,
261.207

83, 7.806, 238.753

87, 1.489, 238.032

57, 47.923,
265.124

91, 5.024, 56.774

94, 10.567, 60.708

96, 11.969, 83.888

98, 14.819,
100.045

Harmonies

Complementary

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



70, 29.917, 245.770



67, 40.708, 53.633

Rectangle

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



70, 29.917, 245.770



70, 29.917, 295.770



70, 29.917, 65.770



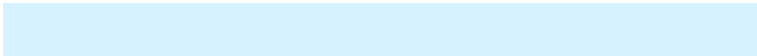
70, 29.917, 115.770

Sweetspot

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



70, 29.916, 245.769



94, 11.366, 239.182



80, 56.833, 150.515



49, 7.642, 239.432



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 29.916, 245.769



76, 39.027, 249.079



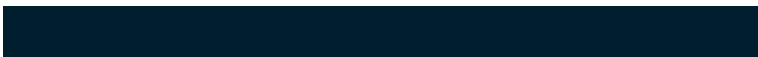
55, 55.007, 291.081



44, 3.613, 238.464



45, 39.725, 264.219



10, 14.430, 253.573

Inverse Universe

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



60, 56.958, 340.765



65, 74.664, 342.102



81, 50.104, 96.293



43, 6.267, 336.924



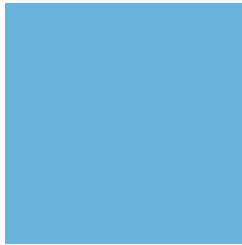
38, 67.245, 348.428



6, 27.175, 344.083

Previews

White Background



This preview shows how the CIELCh color 70, 29.917, 245.770 looks on a white background.

Color Contrast Check

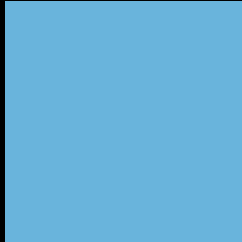
Large Text (above 18pt) WCAG AA × Fail

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 70, 29.917, 245.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

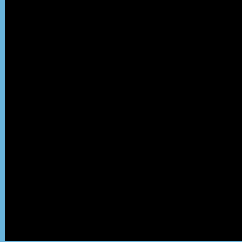
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

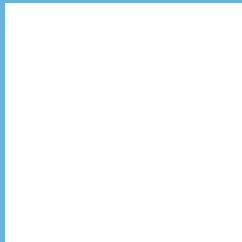
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 29.917, 245.770

Background



This preview shows how black text looks on a background with the CIELCh color 70, 29.917, 245.770.



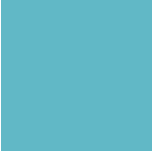
This preview shows how white text looks on a background with the CIELCh color 70, 29.917, 245.770.

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
70, 27.015, 214.147

Trichromacy



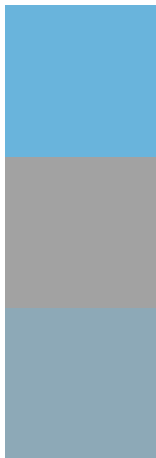
Original Color
70, 29.917, 245.770

Protanomaly
69, 25.287, 268.733

Deuteranomaly
70, 28.837, 271.984

Tritanomaly
70, 27.125, 225.659

Monochromacy



Original Color
70, 29.917, 245.770

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 12.238, 238.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 29.917, 245.770 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(105, 180, 220)` looks like.

```
.text, #text, p{  
    color:rgb(105, 180, 220)  
}
```

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(105, 180, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 180, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 29.917, 245.770 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(105, 180, 220) }
```

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

```
.border{ border-color:rgb(105, 180, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 180, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 180, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 180, 220);  
box-shadow:4px 4px 4px 4px rgb(105, 180,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 29.917, 245.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 180, 220) }
```

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

```
.background{ background-color: rgb(105,  
180, 220) }
```

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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