

Converting Colors

CIELCh(70, 29.712, 242.818)

Have a look what the booklet for
CIELCh(70, 29.712, 242.818)
contains.

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Color

CIELCh(70, 29.748, 242.998)

Conversions

Conversions Part 1

Format	Color
Hex	66B4DA
RGB	102, 180, 218
RGB Percent	40%, 71%, 85%
CMY	0.5982, 0.2925, 0.1434
CMYK	0.53, 0.17, 0.00, 0.14
HSL	200°, 61%, 63%
HSV	200°, 53%, 86%
XYZ	34.6499, 40.7494, 72.6697
YIQ	161.0100, -58.6860, -4.7180

Conversions

Conversions Part 2

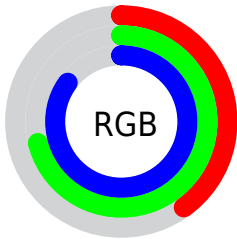
Format	Color
RYB	102, 149, 218
Decimal	6730970
CIELab	70.00, -13.51, -26.51
CIElCh	70, 29.748, 242.998
Yxy	40.7494, 0.2340, 0.2752
Android (android.graphics.Color)	4284921050 (0xFF66B4DA)
YUV	161.0100, 28.0961, -51.7518
Hunter-Lab	63.8353, -14.8215, -22.8107

Details

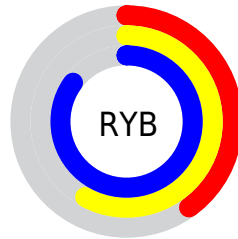
The CIELCh color **70, 29.748, 242.998** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **66, 41.432, 51.645**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 25.036, 221.507**, and **50, 29.780, 243.396** is the 20% darker color. If you saturate the color by 10%, you get **67, 33.967, 245.840**, and if you desaturate by 10%, it is **73, 25.016, 240.701**.

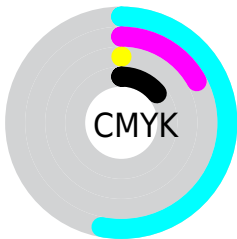
Distribution



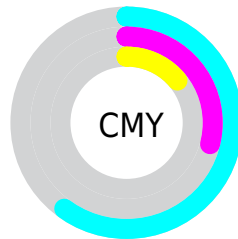
- Red (40%)
- Green (71%)
- Blue (85%)



- Red (40%)
- Yellow (58%)
- Blue (85%)



- Cyan (53%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)





- Cyan (60%)
- Magenta (29%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 29.748, 242.998 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, 29.748, 242.998 by changing the saturation by 10% instead.


 70, 29.748,
242.998


 70, 29.748,
242.998


 100, 29.748,
242.998


 60, 29.748,
242.998


 90, 29.748,
242.998

 50, 29.748,
242.998

 40, 29.748,
242.998

 30, 29.748,
242.998

 20, 29.748,
242.998

 10, 29.748,
242.998

 0, 29.748, 242.998

70, 29.748,
242.998

70, 29.748,
242.998

67, 33.967,
245.840

73, 25.016,
240.701

64, 37.680,
249.311

76, 19.810,
238.864

62, 40.952,
253.454

79, 14.191,
237.402

60, 43.920,
258.237

83, 8.226, 236.255

58, 45.938,
261.736

86, 1.983, 235.517

90, 4.475, 54.384

93, 10.982, 54.248

95, 11.748, 76.429

97, 13.962, 93.580

Harmonies

Complementary

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



70, 29.748, 242.998



66, 41.432, 51.645

Rectangle

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



70, 29.748, 242.998



70, 29.748, 292.998



70, 29.748, 62.998



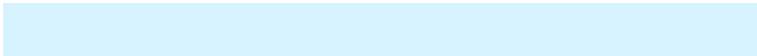
70, 29.748, 112.998

Sweetspot

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



70, 29.747, 242.997



94, 11.324, 236.573



79, 58.082, 149.758



49, 7.611, 236.806



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, 29.747, 242.997



77, 38.823, 246.307



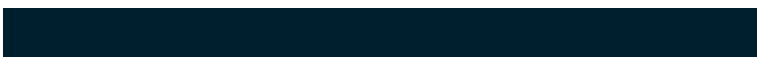
54, 54.452, 290.426



44, 3.604, 235.911



47, 38.319, 260.853



10, 14.102, 250.338

Inverse Universe

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



60, 58.135, 339.844



64, 76.457, 341.148



80, 49.863, 95.138



43, 6.357, 336.058



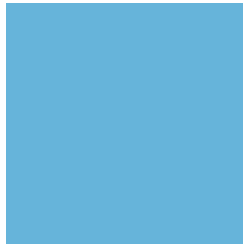
38, 68.022, 346.866



6, 27.522, 342.869

Previews

White Background



This preview shows how the CIELCh color 70, 29.748, 242.998 looks on a white background.

Color Contrast Check

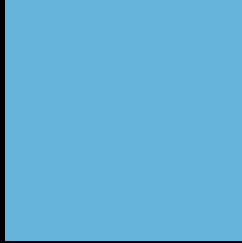
Large Text (above 18pt) WCAG AA × Fail

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, 29.748, 242.998 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, 29.748, 242.998

Background



This preview shows how black text looks on a background with the CIELCh color 70, 29.748, 242.998.

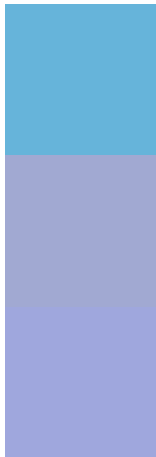


This preview shows how white text looks on a background with the CIELCh color 70, 29.748, 242.998.

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

70, 29.748, 242.998

Protanopia

70, 22.562, 285.561

Deuteranopia

70, 29.664, 288.072



Tritanopia
70, 27.494, 215.040

Trichromacy



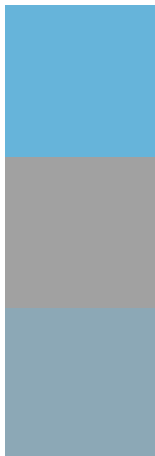
Original Color
70, 29.748, 242.998

Protanomaly
70, 23.933, 266.106

Deuteranomaly
70, 27.939, 270.406

Tritanomaly
70, 27.519, 225.201

Monochromacy



Original Color
70, 29.748, 242.998

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 12.247, 238.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 29.748, 242.998 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, 180, 218)` looks like.

```
.text, #text, p{  
    color:rgb(102, 180, 218)  
}
```

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, 180, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 180, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 29.748, 242.998 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, 180, 218) }
```

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

```
.border{ border-color:rgb(102, 180, 218) }
```

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

Here you see how a box with a 4 pixel rgb(102, 180, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 180, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 180, 218);  
box-shadow:4px 4px 4px 4px rgb(102, 180,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 29.748, 242.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 180, 218) }
```

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

```
.background{ background-color: rgb(102,  
180, 218) }
```

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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