

Converting Colors

CIELCh(69, 29.612, 226.723)

Have a look what the booklet for
CIELCh(69, 29.612, 226.723)
contains.

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Color

CIELCh(69, 29.783, 226.530)

Conversions

Conversions Part 1

Format	Color
Hex	56B5CF
RGB	86, 181, 207
RGB Percent	34%, 71%, 81%
CMY	0.6643, 0.2916, 0.1897
CMYK	0.59, 0.13, 0.00, 0.19
HSL	193°, 56%, 57%
HSV	193°, 59%, 81%
XYZ	31.4659, 39.3444, 64.7272
YIQ	155.5590, -64.9660, -12.0540

Conversions

Conversions Part 2

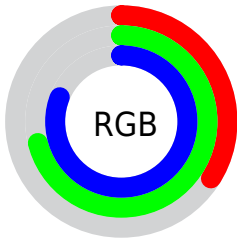
Format	Color
RYB	86, 139, 207
Decimal	5682639
CIELab	69.00, -20.49, -21.61
CIElCh	69, 29.783, 226.530
Yxy	39.3444, 0.2322, 0.2903
Android (android.graphics.Color)	4283872719 (0xFF56B5CF)
YUV	155.5590, 25.3604, -61.0032
Hunter-Lab	62.7251, -20.2249, -17.2749

Details

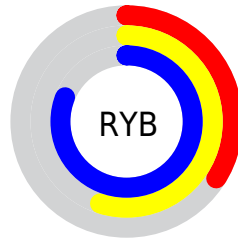
The CIELCh color **69, 29.783, 226.530** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **57, 46.812, 41.572**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 28.702, 217.022**, and **49, 29.735, 227.053** is the 20% darker color. If you saturate the color by 10%, you get **67, 32.781, 228.640**, and if you desaturate by 10%, it is **71, 26.058, 224.892**.

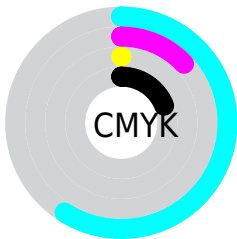
Distribution



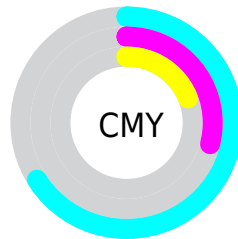
- Red (34%)
- Green (71%)
- Blue (81%)



- Red (34%)
- Yellow (55%)
- Blue (81%)



- Cyan (59%)
- Magenta (13%)
- Yellow (0%)
- Black (19%)





- Cyan (66%)
- Magenta (29%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 29.783, 226.530 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 69, 29.783, 226.530 by changing the saturation by 10% instead.


 69, 29.783,
226.530


 69, 29.783,
226.530


 100, 29.783,
226.530


 59, 29.783,
226.530


 89, 29.783,
226.530

 49, 29.783,
226.530

 99, 29.783,
226.530

 39, 29.783,
226.530

 29, 29.783,
226.530

 19, 29.783,
226.530

 9, 29.783, 226.530

 0, 29.783, 226.530

69, 29.783,
226.530

69, 29.783,
226.530

67, 32.781,
228.640

71, 26.058,
224.892

65, 35.046,
231.315

73, 21.663,
223.645

64, 36.632,
234.624

76, 16.679,
222.715

62, 37.713,
238.546

78, 11.198,
222.041

62, 37.863,
239.115

81, 5.311, 221.601

83, 0.898, 40.541

86, 7.354, 40.857

89, 13.994, 40.762

90, 14.888, 48.968

Harmonies

Complementary

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



69, 29.783, 226.530



57, 46.812, 41.572

Rectangle

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



69, 29.783, 226.530



69, 29.783, 276.530



69, 29.783, 46.530



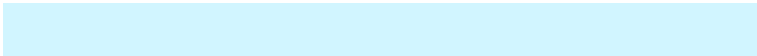
69, 29.783, 96.530

Sweetspot

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



69, 29.782, 226.529



94, 12.884, 222.021



75, 66.300, 144.923



50, 8.874, 222.193



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 29.782, 226.529



81, 39.094, 229.197



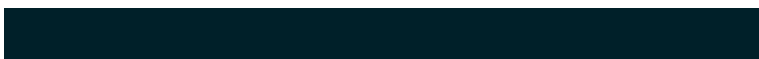
52, 49.436, 284.978



43, 3.540, 221.627



51, 32.434, 238.448



11, 12.202, 229.429

Inverse Universe

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



55, 64.963, 335.115



63, 87.310, 336.132



71, 48.013, 85.986



41, 6.626, 331.610



38, 71.790, 338.975



5, 26.354, 336.369

Previews

White Background



This preview shows how the CIELCh color 69, 29.783, 226.530 looks on a white background.

Color Contrast Check

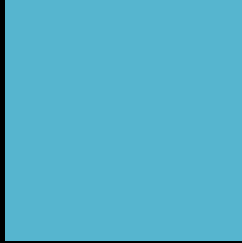
Large Text (above 18pt) WCAG AA × Fail

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 69, 29.783, 226.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

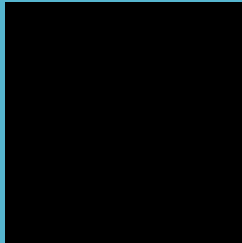
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 29.783, 226.530

Background



This preview shows how black text looks on a background with the CIELCh color 69, 29.783, 226.530.



This preview shows how white text looks on a background with the CIELCh color 69, 29.783, 226.530.

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](#).

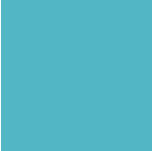
Dichromacy



Original Color
69, 29.783, 226.530

Protanopia
69, 17.103, 286.073

Deuteranopia
69, 25.321, 290.429



Tritanopia
69, 29.628, 213.618

Trichromacy



Original Color
69, 29.783, 226.530



Protanomaly
68, 20.049, 254.695



Deuteranomaly
68, 23.893, 263.547



Tritanomaly
69, 29.678, 218.189

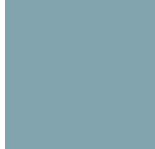
Monochromacy



Original Color
69, 29.783, 226.530



Achromatopsia
64, 0.008, 296.813



Achromatomaly
65, 12.934, 224.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 29.783, 226.530 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(86, 181, 207)` looks like.

```
.text, #text, p{  
    color:rgb(86, 181, 207)  
}
```

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(86, 181, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 181, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 29.783, 226.530 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(86, 181, 207) }
```

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

```
.border{ border-color:rgb(86, 181, 207) }
```

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

Here you see how a box with a 4 pixel rgb(86, 181, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 181, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 181, 207);  
box-shadow:4px 4px 4px 4px rgb(86, 181,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 29.783, 226.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 181, 207) }
```

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

```
.background{ background-color: rgb(86, 181,  
207) }
```

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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