

Converting Colors

CIELCh(69, 36.602, 231.466)

Have a look what the booklet for
CIELCh(69, 36.602, 231.466)
contains.

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Color

CIELCh(69, 36.577, 231.552)

Conversions

Conversions Part 1

Format	Color
Hex	31B6DB
RGB	49, 182, 219
RGB Percent	19%, 71%, 86%
CMY	0.8097, 0.2851, 0.1400
CMYK	0.78, 0.17, 0.00, 0.14
HSL	193°, 71%, 53%
HSV	193°, 78%, 86%
XYZ	30.8548, 39.3444, 73.1908
YIQ	146.4510, -91.1450, -16.6890

Conversions

Conversions Part 2

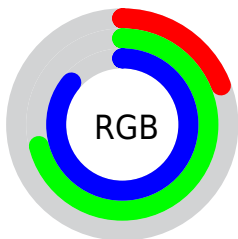
Format	Color
R _Y B	49, 124, 219
Decimal	3258075
CIE Lab	69.00, -22.74, -28.65
CIE LCh	69, 36.577, 231.552
Yxy	39.3444, 0.2152, 0.2744
Android (android.graphics.Color)	4281448155 (0xFF31B6DB)
YUV	146.4510, 35.7667, -85.4645
Hunter-Lab	62.7251, -21.9639, -25.2749

Details

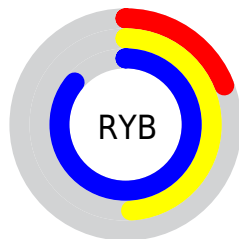
The CIELCh color **69, 36.577, 231.552** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **54, 69.253, 43.170**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 33.990, 212.695**, and **50, 31.785, 238.072** is the 20% darker color. If you saturate the color by 10%, you get **67, 38.284, 234.878**, and if you desaturate by 10%, it is **71, 34.155, 228.867**.

Distribution



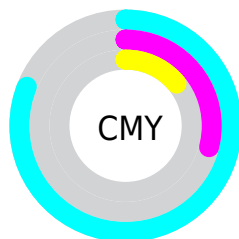
- Red (19%)
- Green (71%)
- Blue (86%)



- Red (19%)
- Yellow (49%)
- Blue (86%)



- Cyan (78%)
- Magenta (17%)
- Yellow (0%)
- Black (14%)





- Cyan (81%)
- Magenta (29%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 36.577, 231.552 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, 36.577, 231.552 by changing the saturation by 10% instead.


 69, 36.577,
231.552

 69, 36.577,
231.552


 100, 36.577,
231.552


 59, 36.577,
231.552


 89, 36.577,
231.552

 49, 36.577,
231.552

 99, 36.577,
231.552

 39, 36.577,
231.552

 29, 36.577,
231.552

 19, 36.577,
231.552

 9, 36.577, 231.552

 0, 36.577, 231.552

69, 36.577,
231.552

69, 36.577,
231.552

67, 38.284,
234.878

71, 34.155,
228.867

66, 39.440,
238.846

73, 30.963,
226.749

65, 39.672,
239.715

75, 27.013,
225.109

77, 22.363,
223.861

80, 17.101,
222.929

83, 11.322,
222.255

85, 5.123, 221.822

88, 1.408, 40.956

Harmonies

Complementary

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



69, 36.577, 231.552



54, 69.253, 43.170

Rectangle

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



69, 36.577, 231.552



69, 36.577, 281.552



69, 36.577, 51.552



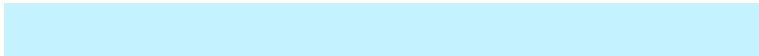
69, 36.577, 101.552

Sweetspot

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



69, 36.576, 231.552



93, 16.197, 222.584



77, 86.393, 142.417



48, 11.076, 222.848



0, 0.000, 0.000



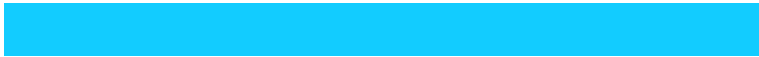
53, 0.007, 296.813

Same Dimension

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



69, 36.576, 231.552



76, 43.719, 237.160



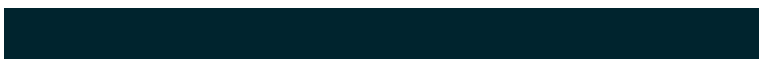
45, 72.587, 292.192



45, 3.678, 221.869



52, 33.213, 238.975



12, 13.117, 230.883

Inverse Universe

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



53, 82.128, 336.891



58, 97.209, 338.585



73, 65.517, 84.351



43, 6.882, 331.685



39, 73.261, 339.128



6, 29.669, 336.854

Previews

White Background



This preview shows how the CIE LCh color 69, 36.577, 231.552 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, 36.577, 231.552 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, 36.577, 231.552

Background



This preview shows how black text looks on a background with the CIELCh color 69, 36.577, 231.552.

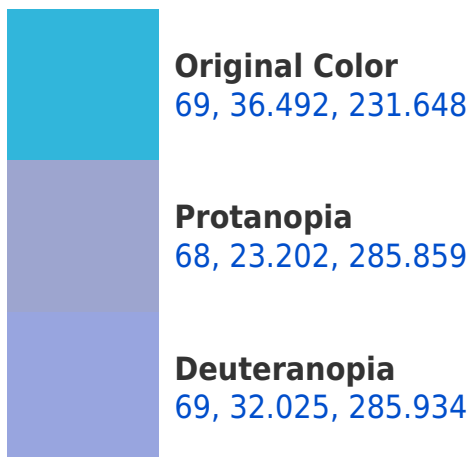


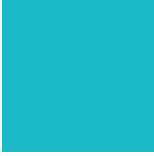
This preview shows how white text looks on a background with the CIELCh color 69, 36.577, 231.552.

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
69, 37.086, 209.740

Trichromacy



Original Color
69, 36.492, 231.648



Protanomaly
68, 26.673, 254.943



Deuteranomaly
68, 31.848, 261.379



Tritanomaly
69, 36.470, 217.464

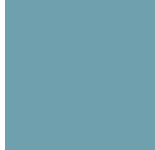
Monochromacy



Original Color
69, 36.492, 231.648



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 17.676, 222.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 36.577, 231.552 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(49, 182, 219)` looks like.

```
.text, #text, p{  
    color:rgb(49, 182, 219)  
}
```

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(49, 182, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 182, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 36.577, 231.552 is called "border". The border property can be set on classes, ids or directly on the HTML element.

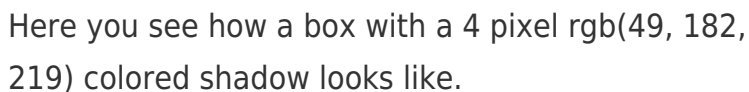
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(49, 182, 219) }
```

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

```
.border{ border-color:rgb(49, 182, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(49, 182, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 182, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 182, 219);  
box-shadow:4px 4px 4px 4px rgb(49, 182,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 36.577, 231.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 182, 219) }
```

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

```
.background{ background-color: rgb(49, 182,  
219) }
```

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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