

Converting Colors

CIELCh(69, 33.847, 245.240)

Have a look what the booklet for
CIELCh(69, 33.847, 245.240)
contains.

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Color

CIELCh(69, 33.873, 245.459)

Conversions

Conversions Part 1

Format	Color
Hex	56B2DF
RGB	86, 178, 223
RGB Percent	34%, 70%, 87%
CMY	0.6609, 0.3004, 0.1239
CMYK	0.61, 0.20, 0.00, 0.12
HSL	200°, 68%, 61%
HSV	200°, 61%, 88%
XYZ	33.2510, 39.3444, 75.9403
YIQ	155.6220, -69.2770, -5.5090

Conversions

Conversions Part 2

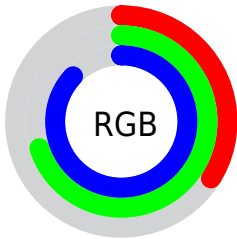
Format	Color
R _Y B	86, 141, 223
Decimal	5681887
CIE Lab	69.00, -14.07, -30.81
CIE LCh	69, 33.873, 245.459
Yxy	39.3444, 0.2239, 0.2649
Android (android.graphics.Color)	4283871967 (0xFF56B2DF)
YUV	155.6220, 33.2174, -61.0585
Hunter-Lab	62.7251, -15.1449, -27.8739

Details

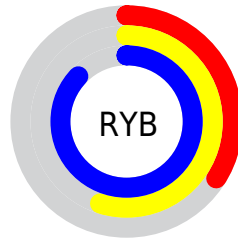
The CIELCh color **69, 33.873, 245.459** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **64, 50.121, 51.425**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 27.877, 221.244**, and **49, 33.629, 247.105** is the 20% darker color. If you saturate the color by 10%, you get **66, 37.749, 248.828**, and if you desaturate by 10%, it is **72, 29.475, 242.707**.

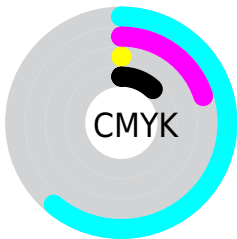
Distribution



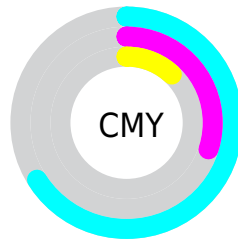
- Red (34%)
- Green (70%)
- Blue (87%)



- Red (34%)
- Yellow (55%)
- Blue (87%)



- Cyan (61%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)



- Cyan (66%)
- Magenta (30%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 33.873, 245.459 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, 33.873, 245.459 by changing the saturation by 10% instead.

■ 69, 33.873,
245.459

■ 69, 33.873,
245.459

■ 100, 33.873,
245.459

■ 59, 33.873,
245.459

■ 89, 33.873,
245.459

■ 49, 33.873,
245.459

■ 99, 33.873,
245.459

■ 39, 33.873,
245.459

■ 29, 33.873,
245.459

■ 19, 33.873,
245.459

■ 9, 33.873, 245.459

■ 0, 33.873, 245.459

69, 33.873,
245.459

69, 33.873,
245.459

66, 37.749,
248.828

72, 29.475,
242.707

64, 41.163,
252.868

75, 24.564,
240.488

61, 44.242,
257.561

78, 19.180,
238.714

59, 46.840,
261.977

82, 13.387,
237.305

85, 7.255, 236.205

89, 0.853, 235.849

92, 5.758, 54.406

95, 9.601, 66.599

97, 11.400, 89.579

Harmonies

Complementary

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



69, 33.873, 245.459



64, 50.121, 51.425

Rectangle

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



69, 33.873, 245.459



69, 33.873, 295.459



69, 33.873, 65.459



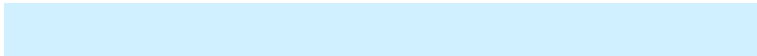
69, 33.873, 115.459

Sweetspot

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



69, 33.872, 245.459



93, 12.685, 236.925



80, 67.164, 148.543



49, 8.757, 237.276



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, 33.872, 245.459



74, 42.993, 250.065



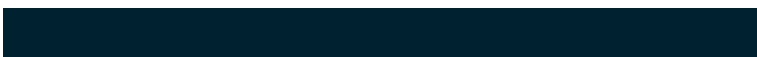
51, 64.977, 292.562



45, 3.673, 236.035



47, 38.825, 261.079



11, 14.662, 251.167

Inverse Universe

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



58, 66.582, 340.815



61, 83.845, 342.555



80, 57.972, 94.127



44, 6.474, 336.101



39, 68.708, 346.967



7, 28.860, 343.086

Previews

White Background



This preview shows how the CIELCh color 69, 33.873, 245.459 looks on a white background.

Color Contrast Check

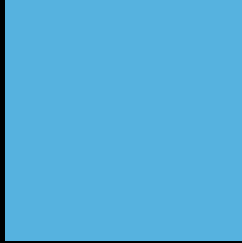
Large Text (above 18pt) WCAG AA × Fail

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, 33.873, 245.459 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, 33.873, 245.459

Background



This preview shows how black text looks on a background with the CIELCh color 69, 33.873, 245.459.

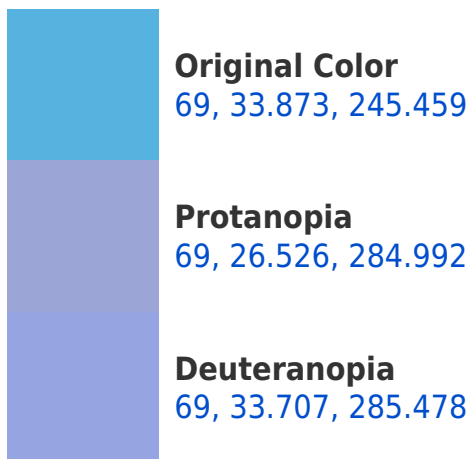


This preview shows how white text looks on a background with the CIELCh color 69, 33.873, 245.459.

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



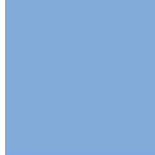


Tritanopia
69, 31.071, 212.733

Trichromacy



Original Color
69, 33.873, 245.459



Protanomaly
69, 27.738, 265.464



Deuteranomaly
69, 32.263, 269.629



Tritanomaly
69, 30.933, 225.286

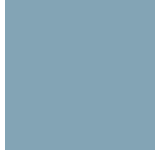
Monochromacy



Original Color
69, 33.873, 245.459



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 14.464, 239.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 33.873, 245.459 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, 178, 223)` looks like.

```
.text, #text, p{  
    color:rgb(86, 178, 223)  
}
```

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, 178, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 178, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 33.873, 245.459 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, 178, 223) }
```

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

```
.border{ border-color:rgb(86, 178, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 178, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 178, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 178, 223);  
box-shadow:4px 4px 4px 4px rgb(86, 178,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 33.873, 245.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 178, 223) }
```

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

```
.background{ background-color: rgb(86, 178,  
223) }
```

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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