

Converting Colors

CIELCh(56, 71.073, 284.171)

Have a look what the booklet for
CIELCh(56, 71.073, 284.171)
contains.

CIELCh(56, 70.867, 284.045)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(56, 70.867, 284.045)

Conversions

Conversions Part 1

Format	Color
Hex	1C84FF
RGB	28, 132, 255
RGB Percent	11%, 52%, 100%
CMY	0.8920, 0.4829, 0.0007
CMYK	0.89, 0.48, 0.00, 0.00
HSL	212°, 100%, 55%
HSV	212°, 89%, 100%
XYZ	26.7198, 23.9124, 97.6731
YIQ	114.9260, -101.4670, 16.2050

Conversions

Conversions Part 2

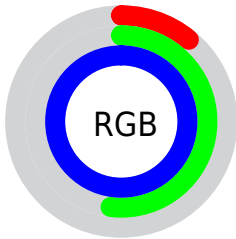
Format	Color
R _Y B	28, 99, 255
Decimal	1869055
CIE Lab	56.00, 17.20, -68.75
CIE LCh	56, 70.867, 284.045
Yxy	23.9124, 0.1802, 0.1612
Android (android.graphics.Color)	4280059135 (0xFF1C84FF)
YUV	114.9260, 69.0565, -76.2341
Hunter-Lab	48.9003, 11.9594, -84.1951

Details

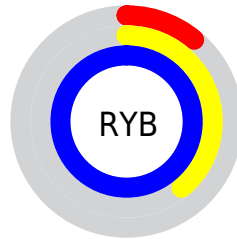
The CIELCh color **56, 70.867, 284.045** is a dark color, and the websafe version is hex **0066CC**. The color can be described as middle washed azure. A complement of this color would be **72, 79.095, 66.386**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 41.485, 268.170**, and **39, 68.902, 290.673** is the 20% darker color. If you saturate the color by 10%, you get **52, 79.201, 288.408**, and if you desaturate by 10%, it is **60, 62.777, 279.760**.

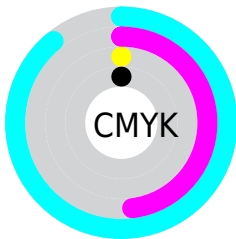
Distribution



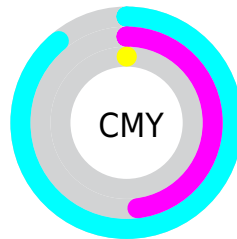
- Red (11%)
- Green (52%)
- Blue (100%)



- Red (11%)
- Yellow (39%)
- Blue (100%)



- Cyan (89%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (89%)
- Magenta (48%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 70.867, 284.045 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 56, 70.867, 284.045 by changing the saturation by 10% instead.


 56, 70.867,
284.045


 56, 70.867,
284.045


 100, 70.867,
284.045


 46, 70.867,
284.045


 76, 70.867,
284.045

 36, 70.867,
284.045

 86, 70.867,
284.045

 26, 70.867,
284.045

 96, 70.867,
284.045

 16, 70.867,
284.045

 6, 70.867, 284.045

 0, 70.867, 284.045

■ 56, 70.867,
284.045

■ 56, 70.867,
284.045

■ 52, 79.201,
288.408

■ 60, 62.777,
279.760

■ 52, 79.884,
288.739

■ 65, 54.867,
275.795

■ 70, 47.043,
272.268

■ 74, 39.222,
269.213

■ 80, 31.356,
266.609

■ 85, 23.427,
264.409

■ 90, 15.440,
262.559

■ 95, 7.411, 261.015

100, 0.073,
109.120

Harmonies

Complementary

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



56, 70.867, 284.045



72, 79.095, 66.386

Rectangle

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



56, 70.867, 284.045



56, 70.867, 334.045



56, 70.867, 104.045



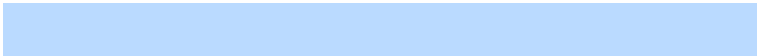
56, 70.867, 154.045

Sweetspot

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



56, 70.867, 284.047



86, 21.689, 263.975



89, 81.255, 152.874



44, 14.601, 264.658



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 70.867, 284.047



52, 79.927, 288.740



35, 127.480, 305.603



50, 4.584, 261.058



39, 63.223, 287.949



11, 25.554, 281.730

Inverse Universe

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



56, 82.455, 2.121



55, 84.425, 6.979



97, 94.455, 104.951



50, 6.213, 346.707



41, 68.001, 6.065



10, 31.543, 359.843

Previews

White Background



This preview shows how the CIE LCh color 56, 70.867, 284.045 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 56, 70.867, 284.045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

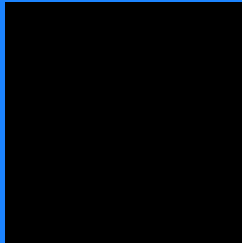
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

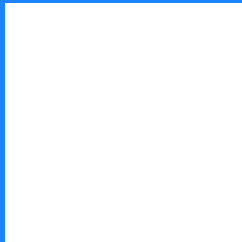
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 70.867, 284.045

Background



This preview shows how black text looks on a background with the CIELCh color 56, 70.867, 284.045.



This preview shows how white text looks on a background with the CIELCh color 56, 70.867, 284.045.

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

56, 70.867, 284.045

Protanopia

56, 70.429, 287.464

Deuteranopia

56, 60.109, 276.965

Trichromacy



Original Color
56, 70.867, 284.045

Protanomaly
56, 70.635, 285.943

Deuteranomaly
56, 64.172, 279.944

Monochromacy



Original Color
56, 70.867, 284.045

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 28.183, 269.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 70.867, 284.045 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(28, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 132, 255)  
}
```

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(28, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 132, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 70.867, 284.045 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(28, 132, 255) }
```

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

```
.border{ border-color:rgb(28, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 132,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 70.867, 284.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 132, 255) }
```

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

```
.background{ background-color: rgb(28, 132,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor