

Converting Colors

CIELCh(56, 69.953, 282.613)

Have a look what the booklet for
CIELCh(56, 69.953, 282.613)
contains.

CIELCh(56, 69.966, 282.630)	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>	27

Color

CIELCh(56, 69.966, 282.630)

Conversions

Conversions Part 1

Format	Color
Hex	0085FE
RGB	0, 133, 254
RGB Percent	0%, 52%, 100%
CMY	1.0000, 0.4786, 0.0041
CMYK	1.00, 0.48, 0.00, 0.00
HSL	209°, 100%, 50%
HSV	209°, 100%, 100%
XYZ	26.2576, 23.9124, 96.9526
YIQ	107.0270, -118.1090, 9.4350

Conversions

Conversions Part 2

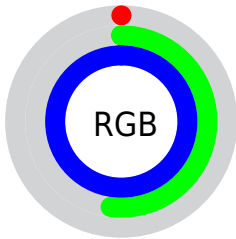
Format	Color
R _{YB}	0, 87, 254
Decimal	34302
CIE _{Lab}	56.00, 15.30, -68.27
CIE _{LCh}	56, 69.966, 282.630
Yxy	23.9124, 0.1785, 0.1625
Android (android.graphics.Color)	4278224382 (0xFF0085FE)
YUV	107.0270, 72.4577, -93.8627
Hunter-Lab	48.9003, 10.2719, -83.3215

Details

The CIELCh color **56, 69.966, 282.630** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **66, 86.253, 57.893**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 41.589, 265.727**, and **39, 67.689, 290.095** is the 20% darker color. If you saturate the color by 10%, you get **56, 69.964, 282.637**, and if you desaturate by 10%, it is **60, 63.147, 277.923**.

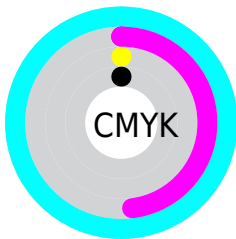
Distribution



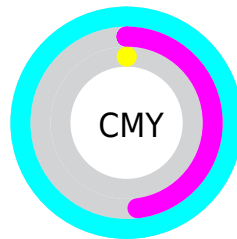
- Red (0%)
- Green (52%)
- Blue (100%)



- Red (0%)
- Yellow (34%)
- Blue (100%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (48%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 69.966, 282.630 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, 69.966, 282.630 by changing the saturation by 10% instead.


 56, 69.966,
282.630


 56, 69.966,
282.630


 100, 69.966,
282.630


 46, 69.966,
282.630


 76, 69.966,
282.630

 36, 69.966,
282.630

 86, 69.966,
282.630

 26, 69.966,
282.630

 96, 69.966,
282.630

 16, 69.966,
282.630

 6, 69.966, 282.630

 0, 69.966, 282.630

■ 56, 69.966,
282.630

■ 56, 69.966,
282.630

■ 56, 69.964,
282.637

■ 60, 63.147,
277.923

■ 63, 56.541,
273.340

■ 67, 49.995,
269.165

■ 72, 43.380,
265.500

■ 76, 36.608,
262.365

■ 81, 29.637,
259.725

■ 85, 22.465,
257.520

■ 90, 15.113,

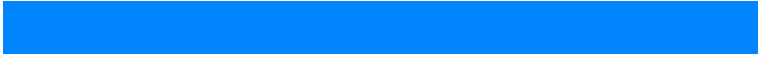
255.687

■ 95, 7.615, 254.176

Harmonies

Complementary

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



56, 69.966, 282.630



66, 86.253, 57.893

Rectangle

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



56, 69.966, 282.630



56, 69.966, 332.630



56, 69.966, 102.630



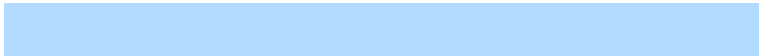
56, 69.966, 152.630

Sweetspot

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



56, 69.964, 282.637



86, 22.541, 257.521



88, 92.739, 147.050



44, 15.312, 258.402



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, 69.964, 282.637



56, 70.199, 282.648



33, 132.093, 306.018



51, 4.346, 254.110



43, 55.598, 281.779



12, 22.746, 275.043

Inverse Universe

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



55, 84.700, 0.655



55, 84.965, 0.665



95, 94.217, 100.667



50, 6.485, 343.145



41, 68.557, 359.886



11, 32.111, 354.657

Previews

White Background



This preview shows how the CIE LCh color 56, 69.966, 282.630 looks on a white background.

Color Contrast Check

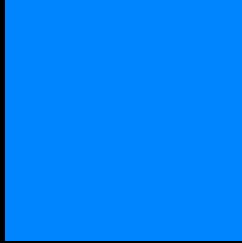
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 56, 69.966, 282.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

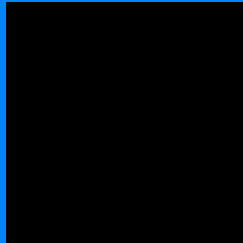
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

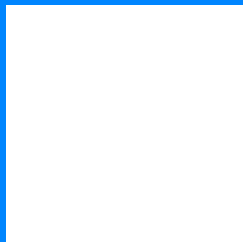
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 69.966, 282.630

Background



This preview shows how black text looks on a background with the CIELCh color 56, 69.966, 282.630.



This preview shows how white text looks on a background with the CIELCh color 56, 69.966, 282.630.

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, 69.966, 282.630

Protanopia

56, 69.296, 287.457

Deuteranopia

56, 60.109, 276.965



Tritanopia
56, 32.322, 206.960

Trichromacy



Original Color
56, 69.966, 282.630

Protanomaly
56, 69.705, 284.940

Deuteranomaly
56, 63.690, 279.228

Tritanomaly
56, 37.528, 248.268

Monochromacy



Original Color
56, 69.966, 282.630

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 28.775, 264.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 69.966, 282.630 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(0, 133, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 254)  
}
```

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(0, 133, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 69.966, 282.630 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(0, 133, 254) }
```

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

```
.border{ border-color:rgb(0, 133, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 69.966, 282.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 254) }
```

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

```
.background{ background-color: rgb(0, 133,  
254) }
```

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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