

Converting Colors

CIELCh(49, 79.988, 267.764)

Have a look what the booklet for
CIELCh(49, 79.988, 267.764)
contains.

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Color

CIELCh(54, 73.430, 285.019)

Conversions

Conversions Part 1

Format	Color
Hex	007EFD
RGB	0, 126, 253
RGB Percent	0%, 49%, 99%
CMY	1.0000, 0.5057, 0.0083
CMYK	1.00, 0.50, 0.00, 0.01
HSL	210°, 100%, 50%
HSV	210°, 100%, 99%
XYZ	25.0922, 21.9746, 95.7488
YIQ	102.8040, -115.8630, 12.7850

Conversions

Conversions Part 2

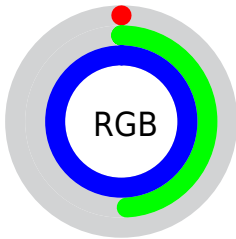
Format	Color
R _{YB}	0, 84, 253
Decimal	32509
CIE Lab	54.00, 19.03, -70.92
CIE LCh	54, 73.430, 285.019
Yxy	21.9746, 0.1757, 0.1539
Android (android.graphics.Color)	4278222589 (0xFF007EFD)
YUV	102.8040, 74.0466, -90.1591
Hunter-Lab	46.8770, 13.5123, -88.2890

Details

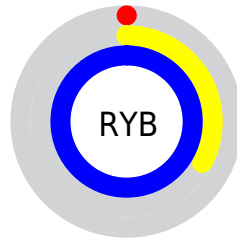
The CIELCh color **54, 73.430, 285.019** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **67, 84.993, 59.930**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 44.470, 271.006**, and **37, 71.700, 292.573** is the 20% darker color. If you saturate the color by 10%, you get **54, 73.397, 285.158**, and if you desaturate by 10%, it is **58, 66.005, 280.587**.

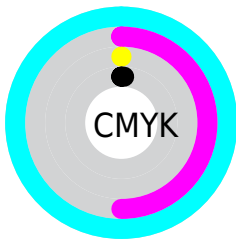
Distribution



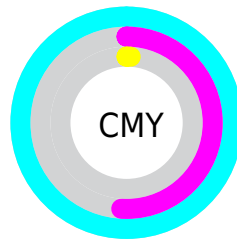
- Red (0%)
- Green (49%)
- Blue (99%)



- Red (0%)
- Yellow (33%)
- Blue (99%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (51%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 73.430, 285.019 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 54, 73.430, 285.019 by changing the saturation by 10% instead.


 54, 73.430,
285.019


 54, 73.430,
285.019


 100, 73.430,
285.019


 44, 73.430,
285.019


 74, 73.430,
285.019

 34, 73.430,
285.019

 84, 73.430,
285.019

 24, 73.430,
285.019

 94, 73.430,
285.019

 14, 73.430,
285.019

 4, 73.430, 285.019

 0, 73.430, 285.019

■ 54, 73.430,
285.019

■ 54, 73.430,
285.019

■ 54, 73.397,
285.158

■ 58, 66.005,
280.587

■ 62, 58.849,
276.108

■ 66, 51.807,
271.996

■ 70, 44.764,
268.362

■ 75, 37.629,
265.234

■ 80, 30.359,
262.586

■ 84, 22.942,
260.363

■ 89, 15.393,

258.505

■ 94, 7.738, 256.964

Harmonies

Complementary

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



54, 73.430, 285.019



67, 84.993, 59.930

Rectangle

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



54, 73.430, 285.019



54, 73.430, 335.019



54, 73.430, 105.019



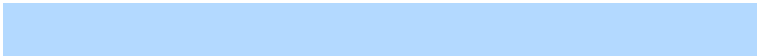
54, 73.430, 155.019

Sweetspot

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



54, 73.397, 285.158



85, 23.097, 260.366



88, 89.370, 148.663



43, 15.710, 261.256



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 73.397, 285.158



54, 73.895, 285.179



32, 132.973, 306.287



51, 4.430, 256.896



41, 58.491, 284.340



12, 23.800, 277.797

Inverse Universe

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



54, 84.081, 3.073



55, 84.612, 3.095



96, 96.300, 102.852



50, 6.376, 344.493



41, 68.231, 2.261



10, 31.854, 356.637

Previews

White Background



This preview shows how the CIE LCh color 54, 73.430, 285.019 looks on a white background.

Color Contrast Check

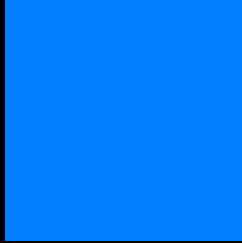
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 73.430, 285.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

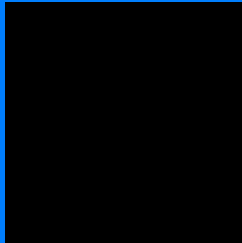
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

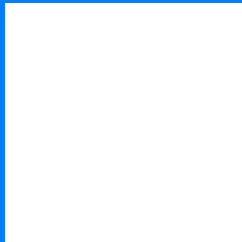
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 73.430, 285.019

Background



This preview shows how black text looks on a background with the CIELCh color 54, 73.430, 285.019.



This preview shows how white text looks on a background with the CIELCh color 54, 73.430, 285.019.

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


54, 73.489, 285.200

Protanopia

54, 73.135, 287.745

Deuteranopia

54, 57.691, 276.441



Tritanopia
54, 31.565, 206.186

Trichromacy



Original Color
54, 73.489, 285.200

Protanomaly
54, 73.330, 286.338

Deuteranomaly
54, 63.382, 280.178

Tritanomaly
54, 37.707, 251.422

Monochromacy



Original Color
54, 73.489, 285.200

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 30.106, 268.217

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 73.430, 285.019 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, 126, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 253)  
}
```

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, 126, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 73.430, 285.019 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, 126, 253) }
```

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

```
.border{ border-color:rgb(0, 126, 253) }
```

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

Here you see how a box with a 4 pixel rgb(0, 126, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 73.430, 285.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 253) }
```

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

```
.background{ background-color: rgb(0, 126,  
253) }
```

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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