

Converting Colors

CIELCh(53, 56.339, 267.796)

Have a look what the booklet for
CIELCh(53, 56.339, 267.796)
contains.

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Color

CIELCh(54, 54.664, 273.884)

Conversions

Conversions Part 1

Format	Color
Hex	0085DF
RGB	0, 133, 223
RGB Percent	0%, 52%, 87%
CMY	1.0000, 0.4804, 0.1237
CMYK	1.00, 0.41, 0.00, 0.12
HSL	204°, 100%, 44%
HSV	204°, 100%, 88%
XYZ	21.6646, 21.9746, 73.2287
YIQ	103.4930, -108.1580, -0.2060

Conversions

Conversions Part 2

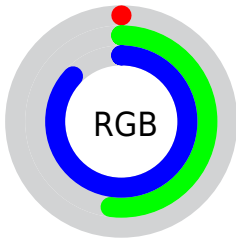
Format	Color
RYB	0, 83, 223
Decimal	34271
CIELab	54.00, 3.70, -54.54
CIELCh	54, 54.664, 273.884
Yxy	21.9746, 0.1854, 0.1880
Android (android.graphics.Color)	4278224351 (0xFF0085DF)
YUV	103.4930, 58.9170, -90.7634
Hunter-Lab	46.8770, 0.4603, -59.8056

Details

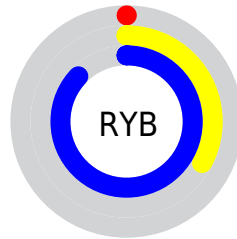
The CIELCh color **54, 54.664, 273.884** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **55, 81.016, 53.114**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 41.903, 262.892**, and **36, 51.902, 283.404** is the 20% darker color. If you saturate the color by 10%, you get **54, 54.637, 273.973**, and if you desaturate by 10%, it is **57, 50.014, 268.998**.

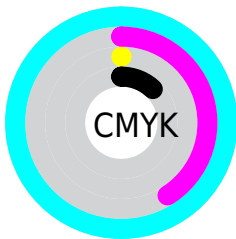
Distribution



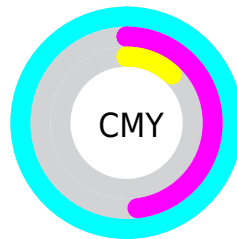
- Red (0%)
- Green (52%)
- Blue (87%)



- Red (0%)
- Yellow (33%)
- Blue (87%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (48%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 54.664, 273.884 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, 54.664, 273.884 by changing the saturation by 10% instead.

 54, 54.664,
273.884

 54, 54.664,
273.884

 100, 54.664,
273.884

 44, 54.664,
273.884


 74, 54.664,
273.884

 34, 54.664,
273.884

 84, 54.664,
273.884

 24, 54.664,
273.884

 94, 54.664,
273.884

 14, 54.664,
273.884

 4, 54.664, 273.884

 0, 54.664, 273.884

■ 54, 54.664,
273.884

■ 54, 54.664,
273.884

■ 54, 54.637,
273.973

■ 57, 50.014,
268.998

■ 60, 45.462,
264.282

■ 63, 40.787,
260.098

■ 66, 35.864,
256.509

■ 70, 30.622,
253.500

■ 74, 25.044,
251.011

■ 77, 19.151,
248.967

■ 81, 12.981,

247.297

■ 85, 6.583, 245.949

Harmonies

Complementary

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



54, 54.664, 273.884



55, 81.016, 53.114

Rectangle

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



54, 54.664, 273.884



54, 54.664, 323.884



54, 54.664, 93.884



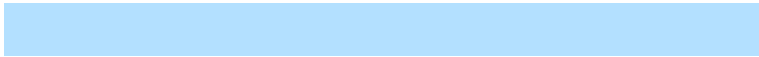
54, 54.664, 143.884

Sweetspot

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



54, 54.637, 273.973



87, 21.308, 249.008



78, 89.249, 144.362



45, 14.423, 249.830



0, 0.000, 0.000



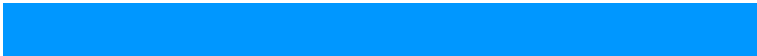
53, 0.007, 296.813

Same Dimension

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



54, 54.637, 273.973



61, 60.745, 274.374



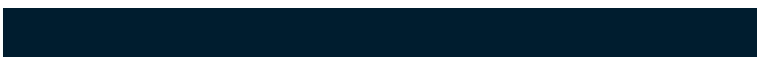
29, 116.229, 305.147



45, 3.754, 245.884



43, 45.108, 273.106



10, 16.296, 263.125

Inverse Universe

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



49, 78.686, 353.939



56, 86.836, 354.205



81, 81.678, 95.902



44, 6.125, 339.641



38, 66.000, 353.375



7, 27.590, 348.060

Previews

White Background



This preview shows how the CIE LCh color 54, 54.664, 273.884 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 54, 54.664, 273.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

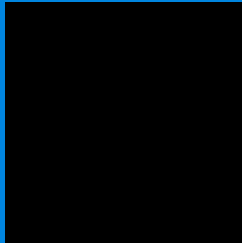
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 54.664, 273.884

Background



This preview shows how black text looks on a background with the CIELCh color 54, 54.664, 273.884.

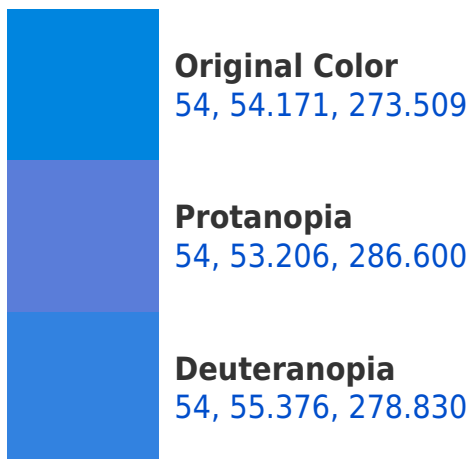



This preview shows how white text looks on a background with the CIELCh color 54, 54.664, 273.884.

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
54, 31.504, 207.307

Trichromacy



Original Color
54, 54.171, 273.509

Protanomaly
53, 53.642, 279.347

Deuteranomaly
54, 55.277, 276.530

Tritanomaly
54, 34.189, 240.537

Monochromacy



Original Color
54, 54.171, 273.509

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 23.809, 254.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 54.664, 273.884 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 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(0, 133, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 54.664, 273.884 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, 223) }
```

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

```
.border{ border-color:rgb(0, 133, 223) }
```

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, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 54.664, 273.884 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, 223) }
```

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

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