Converting Colors

CIELCh(46, 82.421, 266.219)

Have a look what the booklet for CIELCh(46, 82.421, 266.219) contains.

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Color

CIELCh(52, 74.330, 286.301)

Conversions

Conversions Part 1

Format	Color
Hex	0078F8
RGB	0, 120, 248
RGB Percent	0%, 47%, 97%
CMY	1.0000, 0.5295, 0.0283
CMYK	1.00, 0.52, 0.00, 0.03
HSL	211°, 100%, 49%
HSV	211°, 100%, 97%
XYZ	23.5331, 20.1443, 91.2809
YIQ	98.7120, -112.6080, 14.3680

Conversions

Conversions Part 2

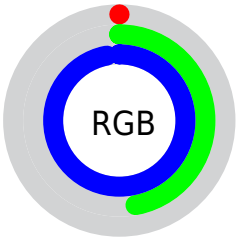
Format	Color
RYB	0, 81, 248
Decimal	30968
CIELab	52.00, 20.86, -71.34
CIELCh	52, 74.330, 286.301
Yxy	20.1443, 0.1744, 0.1493
Android (android.graphics.Color)	4278221048 (0xFF0078F8)
YUV	98.7120, 73.5990, -86.5704
Hunter-Lab	44.8824, 15.0482, -89.1650

Details

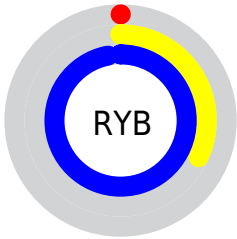
The CIELCh color 52, 74.330, 286.301 is a dark color, and the websafe version is hex 3366CC. The color can be described as dark saturated azure. A complement of this color would be 66, 83.175, 61.169, and the grayscale version is 42, 0.006, 296.813.

A 20% lighter version of the original color is 69, 47.734, 275.436, and 35, 72.742, 293.723 is the 20% darker color. If you saturate the color by 10%, you get 52, 74.296, 286.450, and if you desaturate by 10%, it is 56, 66.697, 281.970.

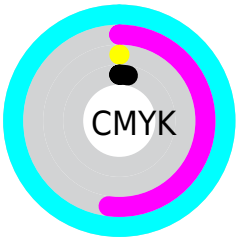
Distribution



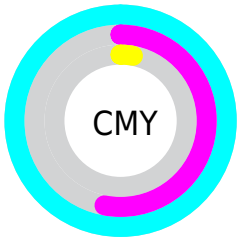
- Red (0%)
- Green (47%)
- Blue (97%)



- Red (0%)
- Yellow (32%)
- Blue (97%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (53%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 74.330, 286.301 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 52, 74.330, 286.301 by changing the saturation by 10% instead.

52, 74.330, 286.301

100, 74.330, 286.301

72, 74.330, 286.301

82, 74.330, 286.301

92, 74.330, 286.301

52, 74.330, 286.301

42, 74.330, 286.301

32, 74.330, 286.301

22, 74.330, 286.301

12, 74.330, 286.301

2, 74.330, 286.301

0, 74.330, 286.301

52, 74.330, 286.301

52, 74.296, 286.450

52, 74.330, 286.301

56, 66.697, 281.970

60, 59.340, 277.560

64, 52.121, 273.496

68, 44.934, 269.893

73, 37.694, 266.782

78, 30.353, 264.139

83, 22.899, 261.915

88, 15.342,

260.050

93, 7.702, 258.499

Harmonies

Complementary

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

52, 74.330, 286.301

66, 83.175, 61.169

Rectangle

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

52, 74.330, 286.301

52, 74.330, 336.301

52, 74.330, 106.301

52, 74.330, 156.301

Sweetspot

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

52, 74.296, 286.450

85, 23.438, 261.924

86, 87.953, 148.690

43, 15.952, 262.817

0, 0.000, 0.000

53, 0.007, 296.813

Same Dimension

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

52, 74.296, 286.450

53, 76.048, 286.522

31, 130.938, 306.287

50, 4.409, 258.430

40, 59.523, 285.656

11, 23.613, 278.881

Inverse Universe

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

53, 82.679, 4.415

55, 84.491, 4.491

95, 94.826, 102.852

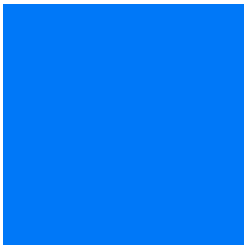
49, 6.212, 345.278

40, 67.433, 3.582

10, 30.925, 357.473

Previews

White Background

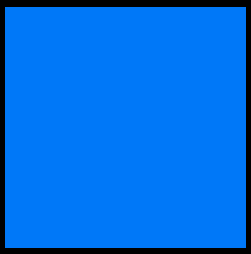


This preview shows how the CIELCh color 52, 74.330, 286.301 looks on a white background.

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 52, 74.330, 286.301 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 52, 74.330, 286.301 Background

This preview shows how black text looks on a background with the CIELCh color 52, 74.330, 286.301.

This preview shows how white text looks on a background with the CIELCh color 52, 74.330, 286.301.

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

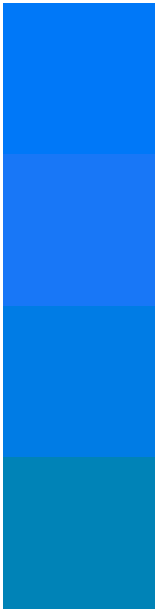
Original Color
52, 74.395, 286.481

Protanopia
52, 74.189, 287.907

Deuteranopia
52, 55.761, 276.215

Tritanopia
52, 30.574, 206.586

Trichromacy



Original Color
52, 74.395, 286.481

Protanomaly
52, 74.323, 287.280

Deuteranomaly
52, 62.008, 280.396

Tritanomaly
51, 37.251, 253.064

Monochromacy

Original Color
52, 74.395, 286.481

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 29.626, 268.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 74.330, 286.301 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, 120, 248) looks like.

```
.text, #text, p{
    color:rgb(0, 120, 248)
}
```

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, 120, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 74.330, 286.301 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, 120, 248) }
```

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

```
.border{ border-color:rgb(0, 120, 248) }
```

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

Here you see how a box with a 4 pixel rgb(0, 120, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 120, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 120, 248); box-shadow:4px 4px 4px 4px rgb(0, 120, 248) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 74.330, 286.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(0, 120, 248) }
```

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

```
.background{ background-color:rgb(0, 120,
248) }
```

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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