

Converting Colors

CIELCh(52, 77.249, 287.761)

Have a look what the booklet for
CIELCh(52, 77.249, 287.761)
contains.

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Color

CIELCh(52, 77.110, 287.666)

Conversions

Conversions Part 1

Format	Color
Hex	0377FC
RGB	3, 119, 252
RGB Percent	1%, 47%, 99%
CMY	0.9889, 0.5345, 0.0132
CMYK	0.99, 0.53, 0.00, 0.01
HSL	212°, 98%, 50%
HSV	212°, 99%, 99%
XYZ	24.1082, 20.1443, 94.4115
YIQ	99.4780, -111.8290, 16.7710

Conversions

Conversions Part 2

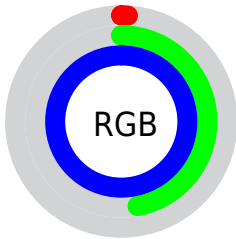
Format	Color
R _Y B	3, 82, 252
Decimal	227324
CIE Lab	52.00, 23.40, -73.47
CIE LCh	52, 77.110, 287.666
Yxy	20.1443, 0.1739, 0.1453
Android (android.graphics.Color)	4278417404 (0xFF0377FC)
YUV	99.4780, 75.1933, -84.6112
Hunter-Lab	44.8824, 17.3356, -93.3005

Details

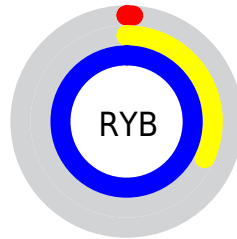
The CIELCh color **52, 77.110, 287.666** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **68, 83.079, 63.048**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 48.159, 276.305**, and **35, 75.092, 294.481** is the 20% darker color. If you saturate the color by 10%, you get **52, 78.038, 288.135**, and if you desaturate by 10%, it is **56, 69.023, 283.264**.

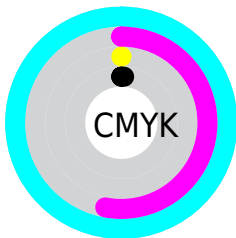
Distribution



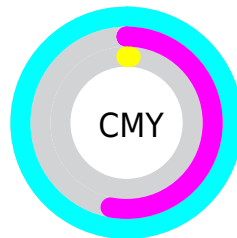
- Red (1%)
- Green (47%)
- Blue (99%)



- Red (1%)
- Yellow (32%)
- Blue (99%)



- Cyan (99%)
- Magenta (53%)
- Yellow (0%)
- Black (1%)



- Cyan (99%)
- Magenta (53%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 77.110, 287.666 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, 77.110, 287.666 by changing the saturation by 10% instead.

 52, 77.110,
287.666

 52, 77.110,
287.666

 100, 77.110,
287.666

 42, 77.110,
287.666

 72, 77.110,
287.666

 32, 77.110,
287.666

 82, 77.110,
287.666

 22, 77.110,
287.666

 92, 77.110,
287.666

 12, 77.110,
287.666

 2, 77.110, 287.666

 0, 77.110, 287.666

■ 52, 77.110,
287.666

■ 52, 77.110,
287.666

■ 52, 78.038,
288.135

■ 56, 69.023,
283.264

■ 60, 61.175,
278.959

■ 65, 53.491,
274.990

■ 69, 45.872,
271.469

■ 74, 38.238,
268.425

■ 79, 30.543,
265.835

■ 84, 22.772,
263.648

■ 89, 14.931,

261.811

■ 94, 7.039, 260.281

Harmonies

Complementary

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



52, 77.110, 287.666



68, 83.079, 63.048

Rectangle

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



52, 77.110, 287.666



52, 77.110, 337.666



52, 77.110, 107.666



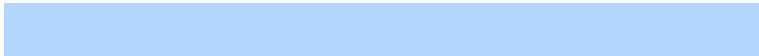
52, 77.110, 157.666

Sweetspot

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



52, 77.110, 287.668



84, 23.903, 263.880



88, 85.381, 150.658



43, 16.283, 264.774



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, 77.110, 287.668



52, 78.884, 288.167



32, 131.842, 306.285



49, 4.481, 260.366



39, 61.724, 287.325



11, 24.408, 280.709

Inverse Universe

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



54, 83.411, 5.761



55, 84.424, 6.314



95, 95.835, 104.948



49, 6.137, 346.320



40, 67.340, 5.365



10, 30.784, 358.963

Previews

White Background



This preview shows how the CIE LCh color 52, 77.110, 287.666 looks on a white background.

Color Contrast Check

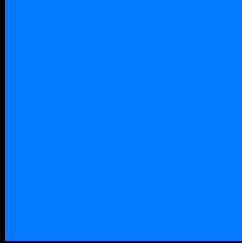
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.110, 287.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

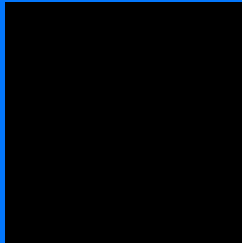
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

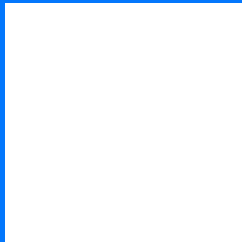
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 77.110, 287.666

Background



This preview shows how black text looks on a background with the CIELCh color 52, 77.110, 287.666.



This preview shows how white text looks on a background with the CIELCh color 52, 77.110, 287.666.

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, 77.119, 287.628

Protanopia

52, 76.523, 287.727

Deuteranopia

52, 55.253, 275.864



Tritanopia
52, 30.642, 205.424

Trichromacy



Original Color
52, 77.119, 287.628

Protanomaly
52, 76.549, 287.609

Deuteranomaly
52, 63.088, 281.181

Tritanomaly
51, 37.909, 254.924

Monochromacy



Original Color
52, 77.119, 287.628

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 31.048, 271.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 77.110, 287.666 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(3, 119, 252)` looks like.

```
.text, #text, p{  
    color:rgb(3, 119, 252)  
}
```

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(3, 119, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 119, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 77.110, 287.666 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(3, 119, 252) }
```

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

```
.border{ border-color:rgb(3, 119, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 119, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 119, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 119, 252);  
box-shadow:4px 4px 4px 4px rgb(3, 119,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 77.110, 287.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 119, 252) }
```

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

```
.background{ background-color: rgb(3, 119,  
252) }
```

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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