

Converting Colors

CIELCh(52, 77.703, 287.726)

Have a look what the booklet for
CIELCh(52, 77.703, 287.726)
contains.

CIELCh(52, 77.666, 287.744)	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(52, 77.666, 287.744)

Conversions

Conversions Part 1

Format	Color
Hex	0077FD
RGB	0, 119, 253
RGB Percent	0%, 47%, 99%
CMY	1.0000, 0.5349, 0.0097
CMYK	1.00, 0.53, 0.00, 0.01
HSL	212°, 100%, 50%
HSV	212°, 100%, 99%
XYZ	24.1699, 20.1443, 95.1524
YIQ	98.6950, -113.9380, 16.4460

Conversions

Conversions Part 2

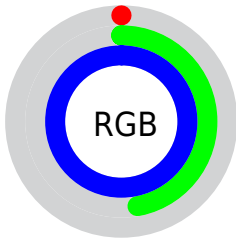
Format	Color
R _Y B	0, 81, 253
Decimal	30717
CIE Lab	52.00, 23.67, -73.97
CIE LCh	52, 77.666, 287.744
Yxy	20.1443, 0.1733, 0.1444
Android (android.graphics.Color)	4278220797 (0xFF0077FD)
YUV	98.6950, 76.0724, -86.5555
Hunter-Lab	44.8824, 17.5806, -94.2793

Details

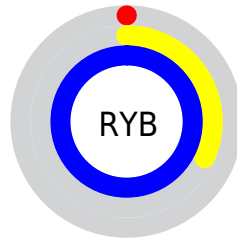
The CIELCh color **52, 77.666, 287.744** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **68, 83.922, 62.372**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 48.159, 276.305**, and **35, 75.654, 294.615** is the 20% darker color. If you saturate the color by 10%, you get **52, 77.654, 287.799**, and if you desaturate by 10%, it is **56, 69.601, 283.398**.

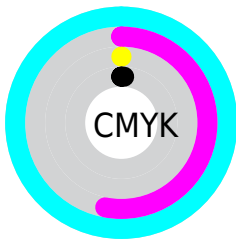
Distribution



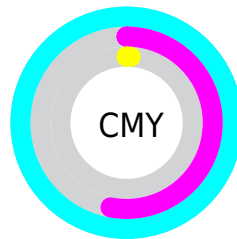
- Red (0%)
- Green (47%)
- Blue (99%)



- Red (0%)
- Yellow (32%)
- Blue (99%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (53%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 77.666, 287.744 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, 77.666, 287.744 by changing the saturation by 10% instead.

 52, 77.666,
287.744

 52, 77.666,
287.744

 100, 77.666,
287.744

 42, 77.666,
287.744


 72, 77.666,
287.744

 32, 77.666,
287.744

 82, 77.666,
287.744

 22, 77.666,
287.744

 92, 77.666,
287.744

 12, 77.666,
287.744

 2, 77.666, 287.744

 0, 77.666, 287.744

■ 52, 77.666,
287.744

■ 52, 77.666,
287.744

■ 52, 77.654,
287.799

■ 56, 69.601,
283.398

■ 60, 61.797,
279.047

■ 64, 54.160,
275.020

■ 69, 46.592,
271.437

■ 74, 39.006,
268.334

■ 79, 31.352,
265.691

■ 84, 23.614,
263.462

■ 89, 15.798,

261.588

■ 94, 7.921, 260.026

Harmonies

Complementary

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



52, 77.666, 287.744



68, 83.922, 62.372

Rectangle

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



52, 77.666, 287.744



52, 77.666, 337.744



52, 77.666, 107.744



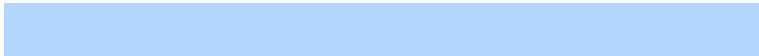
52, 77.666, 157.744

Sweetspot

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



52, 77.654, 287.799



85, 23.801, 263.465



88, 87.724, 149.516



43, 16.210, 264.359



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, 77.654, 287.799



53, 78.270, 287.822



32, 132.760, 306.320



50, 4.540, 259.957



40, 61.922, 287.018



11, 25.068, 280.709

Inverse Universe

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



54, 83.811, 5.894



55, 84.430, 5.921



96, 96.227, 103.905



50, 6.256, 346.096



41, 68.029, 5.028



10, 31.616, 358.964

Previews

White Background



This preview shows how the CIE LCh color 52, 77.666, 287.744 looks on a white background.

Color Contrast Check

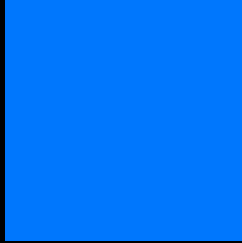
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.666, 287.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

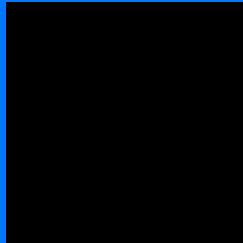
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

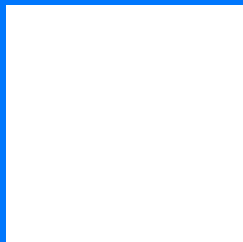
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 77.666, 287.744

Background



This preview shows how black text looks on a background with the CIELCh color 52, 77.666, 287.744.



This preview shows how white text looks on a background with the CIELCh color 52, 77.666, 287.744.

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, 77.666, 287.744

Protanopia

52, 77.636, 287.877

Deuteranopia

52, 55.253, 275.864



Tritanopia
52, 30.574, 206.586

Trichromacy



Original Color
52, 77.666, 287.744

Protanomaly
52, 77.649, 287.820

Deuteranomaly
52, 63.620, 281.420

Tritanomaly
51, 38.316, 255.615

Monochromacy



Original Color
52, 77.666, 287.744

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 31.156, 270.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 77.666, 287.744 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, 119, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 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, 119, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 77.666, 287.744 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, 119, 253) }
```

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

```
.border{ border-color:rgb(0, 119, 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, 119, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 77.666, 287.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 253) }
```

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

```
.background{ background-color: rgb(0, 119,  
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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