

Converting Colors

CIELCh(53, 77.700, 287.714)

Have a look what the booklet for
CIELCh(53, 77.700, 287.714)
contains.

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Color

CIELCh(53, 77.469, 287.646)

Conversions

Conversions Part 1

Format	Color
Hex	0E79FF
RGB	14, 121, 255
RGB Percent	5%, 47%, 100%
CMY	0.9444, 0.5248, 0.0000
CMYK	0.94, 0.52, 0.00, 0.00
HSL	213°, 100%, 53%
HSV	213°, 94%, 100%
XYZ	25.1262, 21.0462, 97.5258
YIQ	104.2830, -106.7860, 18.9900

Conversions

Conversions Part 2

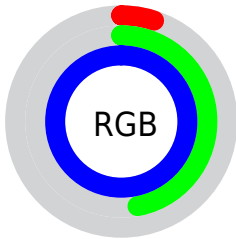
Format	Color
R _Y B	14, 88, 255
Decimal	948735
CIE Lab	53.00, 23.48, -73.82
CIE LCh	53, 77.469, 287.646
Yxy	21.0462, 0.1749, 0.1465
Android (android.graphics.Color)	4279138815 (0xFF0E79FF)
YUV	104.2830, 74.3035, -79.1782
Hunter-Lab	45.8761, 17.4807, -93.9285

Details

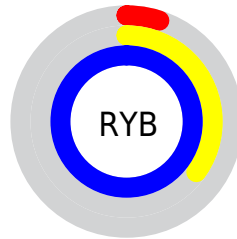
The CIELCh color **53, 77.469, 287.646** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **71, 81.633, 66.256**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 46.551, 275.172**, and **36, 75.458, 294.235** is the 20% darker color. If you saturate the color by 10%, you get **51, 82.214, 289.942**, and if you desaturate by 10%, it is **57, 68.804, 283.313**.

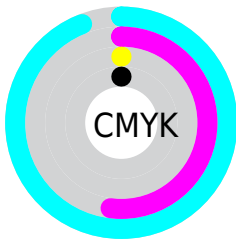
Distribution



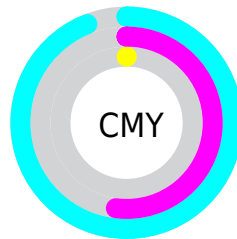
- Red (5%)
- Green (47%)
- Blue (100%)



- Red (5%)
- Yellow (35%)
- Blue (100%)



- Cyan (94%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (94%)
- Magenta (52%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 77.469, 287.646 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 53, 77.469, 287.646 by changing the saturation by 10% instead.


 53, 77.469,
287.646


 53, 77.469,
287.646


 100, 77.469,
287.646


 43, 77.469,
287.646


 73, 77.469,
287.646

 33, 77.469,
287.646

 83, 77.469,
287.646

 23, 77.469,
287.646

 93, 77.469,
287.646

 13, 77.469,
287.646

 3, 77.469, 287.646

 0, 77.469, 287.646

■ 53, 77.469,
287.646

■ 53, 77.469,
287.646

■ 51, 82.214,
289.942

■ 57, 68.804,
283.313

■ 62, 60.482,
279.216

■ 66, 52.324,
275.489

■ 71, 44.245,
272.211

■ 76, 36.176,
269.389

■ 82, 28.083,
266.991

■ 87, 19.955,
264.965

■ 92, 11.801,

263.261

■ 98, 3.636, 261.877

Harmonies

Complementary

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



53, 77.469, 287.646



71, 81.633, 66.256

Rectangle

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



53, 77.469, 287.646



53, 77.469, 337.646



53, 77.469, 107.646



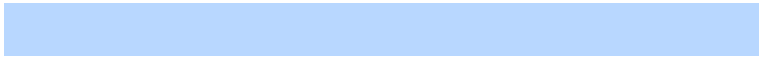
53, 77.469, 157.646

Sweetspot

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



53, 77.355, 287.611



85, 22.848, 265.646



89, 82.584, 152.592



43, 15.765, 266.531



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 77.355, 287.611



51, 82.214, 289.942



33, 131.052, 306.104



50, 4.646, 262.528



38, 65.022, 289.169



11, 26.230, 283.072

Inverse Universe

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



55, 83.535, 5.757



55, 84.472, 8.429



96, 96.094, 105.923



50, 6.155, 347.558



41, 68.007, 7.488



10, 31.457, 1.055

Previews

White Background



This preview shows how the CIE LCh color 53, 77.469, 287.646 looks on a white background.

Color Contrast Check

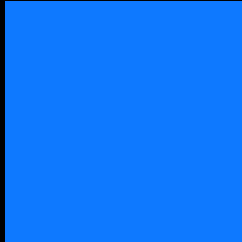
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 77.469, 287.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

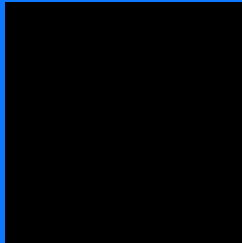
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

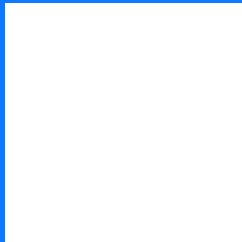
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 77.469, 287.646

Background



This preview shows how black text looks on a background with the CIELCh color 53, 77.469, 287.646.



This preview shows how white text looks on a background with the CIELCh color 53, 77.469, 287.646.

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

53, 77.464, 287.669

Protanopia

53, 77.389, 287.998

Deuteranopia

53, 55.709, 275.525



Tritanopia
53, 31.140, 205.243

Trichromacy



Original Color
53, 77.464, 287.669

Protanomaly
53, 77.420, 287.861

Deuteranomaly
53, 63.464, 280.928

Tritanomaly
52, 38.029, 254.282

Monochromacy



Original Color
53, 77.464, 287.669

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 30.685, 272.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 77.469, 287.646 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(14, 121, 255)` looks like.

```
.text, #text, p{  
    color:rgb(14, 121, 255)  
}
```

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(14, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 121, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 77.469, 287.646 is called "border". The border property can be set on classes, ids or directly on the HTML element.

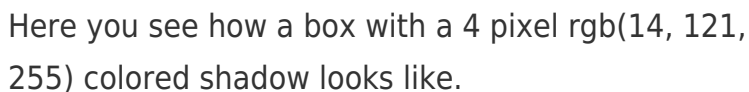
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(14, 121, 255) }
```

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

```
.border{ border-color:rgb(14, 121, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(14, 121, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 121, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 121, 255);  
box-shadow:4px 4px 4px 4px rgb(14, 121,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 77.469, 287.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 121, 255) }
```

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

```
.background{ background-color: rgb(14, 121,  
255) }
```

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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