

Converting Colors

CIELCh(47, 81.035, 290.949)

Have a look what the booklet for
CIELCh(47, 81.035, 290.949)
contains.

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Color

CIELCh(47, 81.075, 291.130)

Conversions

Conversions Part 1

Format	Color
Hex	0067F1
RGB	0, 103, 241
RGB Percent	0%, 40%, 95%
CMY	1.0000, 0.5965, 0.0554
CMYK	1.00, 0.57, 0.00, 0.06
HSL	214°, 100%, 47%
HSV	214°, 100%, 94%
XYZ	20.6903, 16.0195, 85.1245
YIQ	87.9350, -105.6860, 21.0820

Conversions

Conversions Part 2

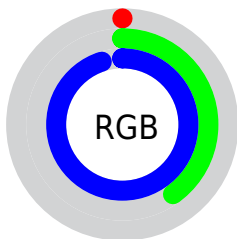
Format	Color
R _Y B	0, 72, 241
Decimal	26609
CIE Lab	47.00, 29.23, -75.62
CIE LCh	47, 81.075, 291.130
Yxy	16.0195, 0.1698, 0.1315
Android (android.graphics.Color)	4278216689 (0xFF0067F1)
YUV	87.9350, 75.4610, -77.1190
Hunter-Lab	40.0243, 22.2319, -98.0821

Details

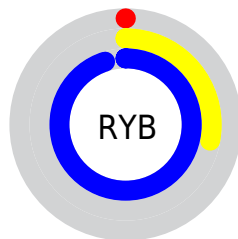
The CIELCh color **47, 81.075, 291.130** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **67, 79.866, 66.262**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 57.128, 284.919**, and **31, 78.718, 297.569** is the 20% darker color. If you saturate the color by 10%, you get **47, 81.073, 291.144**, and if you desaturate by 10%, it is **51, 72.423, 287.014**.

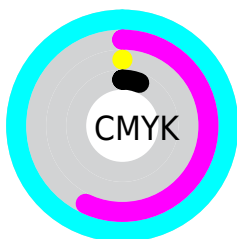
Distribution



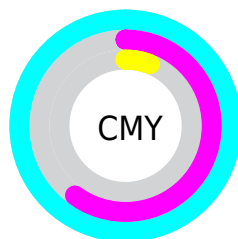
- Red (0%)
- Green (40%)
- Blue (95%)



- Red (0%)
- Yellow (28%)
- Blue (95%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (60%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 81.075, 291.130 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 47, 81.075, 291.130 by changing the saturation by 10% instead.


 47, 81.075,
291.130


 47, 81.075,
291.130


 100, 81.075,
291.130


 37, 81.075,
291.130

 67, 81.075,
291.130


 27, 81.075,
291.130

 77, 81.075,
291.130

 17, 81.075,
291.130

 87, 81.075,
291.130

 7, 81.075, 291.130

 97, 81.075,
291.130

 0, 81.075, 291.130

 47, 81.075,

 47, 81.075,

291.130

■ 47, 81.073,
291.144

291.130

■ 51, 72.423,
287.014

■ 55, 63.996,
282.877

■ 60, 55.782,
279.009

■ 64, 47.719,
275.537

■ 69, 39.736,
272.507

■ 74, 31.781,
269.909

■ 80, 23.830,
267.703

■ 85, 15.878,
265.837

Harmonies

Complementary

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



47, 81.075, 291.130



67, 79.866, 66.262

Rectangle

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



47, 81.075, 291.130



47, 81.075, 341.130



47, 81.075, 111.130



47, 81.075, 161.130

Sweetspot

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



47, 81.073, 291.144



84, 24.957, 267.721



84, 80.020, 152.337



42, 17.029, 268.611



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 81.073, 291.144



50, 84.923, 291.276



31, 127.850, 306.438



47, 4.490, 264.195



36, 64.948, 290.400



8, 24.292, 283.377

Inverse Universe

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



51, 81.020, 9.959



54, 84.609, 10.132



91, 93.138, 107.021



47, 5.787, 348.570



39, 66.030, 9.003



8, 28.940, 1.335

Previews

White Background



This preview shows how the CIE LCh color 47, 81.075, 291.130 looks on a white background.

Color Contrast Check

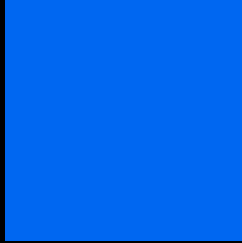
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 47, 81.075, 291.130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

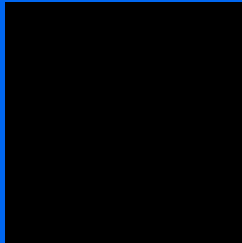
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 81.075, 291.130

Background



This preview shows how black text looks on a background with the CIELCh color 47, 81.075, 291.130.



This preview shows how white text looks on a background with the CIELCh color 47, 81.075, 291.130.

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

47, 81.075, 291.130

Protanopia

47, 70.968, 287.375

Deuteranopia

47, 49.832, 274.621



Tritanopia
47, 28.296, 206.373

Trichromacy



Original Color
47, 81.075, 291.130

Protanomaly
47, 74.309, 288.680

Deuteranomaly
47, 61.025, 282.611

Tritanomaly
46, 37.504, 259.722

Monochromacy



Original Color
47, 81.075, 291.130

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 32.283, 275.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 81.075, 291.130 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, 103, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 241)  
}
```

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, 103, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 81.075, 291.130 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, 103, 241) }
```

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

```
.border{ border-color:rgb(0, 103, 241) }
```

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

Here you see how a box with a 4 pixel rgb(0, 103, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 81.075, 291.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 241) }
```

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

```
.background{ background-color: rgb(0, 103,  
241) }
```

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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