

Converting Colors

CIELCh(47, 91.110, 294.106)

Have a look what the booklet for
CIELCh(47, 91.110, 294.106)
contains.

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Color

CIELCh(47, 90.592, 293.934)

Conversions

Conversions Part 1

Format	Color
Hex	0063FE
RGB	0, 99, 254
RGB Percent	0%, 39%, 100%
CMY	1.0000, 0.6126, 0.0049
CMYK	1.00, 0.61, 0.00, 0.00
HSL	217°, 100%, 50%
HSV	217°, 100%, 100%
XYZ	22.2825, 16.0195, 95.4668
YIQ	87.0690, -108.7590, 27.2170

Conversions

Conversions Part 2

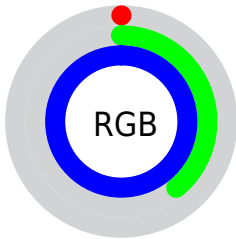
Format	Color
R_{YB}	0, 71, 254
Decimal	25598
CIE Lab	47.00, 36.75, -82.80
CIE LCh	47, 90.592, 293.934
Yxy	16.0195, 0.1666, 0.1198
Android (android.graphics.Color)	4278215678 (0xFF0063FE)
YUV	87.0690, 82.2970, -76.3595
Hunter-Lab	40.0243, 29.3326, -113.4027

Details

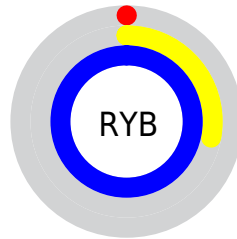
The CIELCh color **47, 90.592, 293.934** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **73, 82.460, 69.676**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 59.266, 287.525**, and **31, 87.806, 299.643** is the 20% darker color. If you saturate the color by 10%, you get **47, 90.590, 293.944**, and if you desaturate by 10%, it is **51, 80.804, 290.032**.

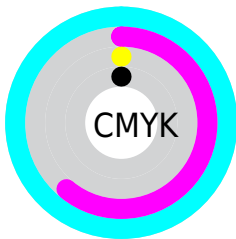
Distribution



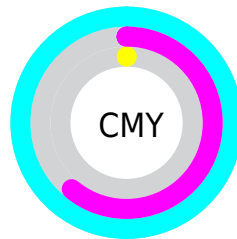
- Red (0%)
- Green (39%)
- Blue (100%)



- Red (0%)
- Yellow (28%)
- Blue (100%)



- Cyan (100%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (61%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 90.592, 293.934 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, 90.592, 293.934 by changing the saturation by 10% instead.


 47, 90.592,
293.934


 47, 90.592,
293.934


 100, 90.592,
293.934


 37, 90.592,
293.934

 67, 90.592,
293.934


 27, 90.592,
293.934

 77, 90.592,
293.934

 17, 90.592,
293.934

 87, 90.592,
293.934

 7, 90.592, 293.934

 97, 90.592,
293.934

 0, 90.592, 293.934

 47, 90.592,

 47, 90.592,

293.934

293.934

■ 47, 90.590,
293.944

■ 51, 80.804,
290.032

■ 56, 71.179,
286.064

■ 61, 61.798,
282.314

■ 66, 52.643,
278.922

■ 71, 43.655,
275.945

■ 77, 34.781,
273.381

■ 83, 25.986,
271.195

■ 88, 17.259,
269.340

Harmonies

Complementary

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



47, 90.592, 293.934



73, 82.460, 69.676

Rectangle

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



47, 90.592, 293.934



47, 90.592, 343.934



47, 90.592, 113.934



47, 90.592, 163.934

Sweetspot

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



47, 90.590, 293.944



83, 26.091, 271.197



88, 80.199, 154.288



42, 17.829, 272.076



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, 90.590, 293.944



47, 90.956, 293.955



33, 132.761, 306.543



50, 4.907, 267.705



35, 71.917, 293.251



9, 28.874, 287.625

Inverse Universe

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



54, 84.900, 13.856



54, 85.222, 13.871



95, 97.263, 109.078



50, 5.950, 350.901



41, 68.471, 12.845



10, 31.287, 5.699

Previews

White Background



This preview shows how the CIE LCh color 47, 90.592, 293.934 looks on a white background.

Color Contrast Check

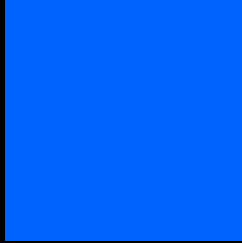
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 47, 90.592, 293.934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

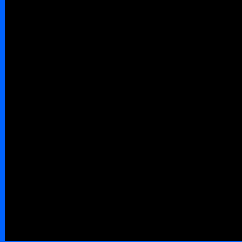
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 90.592, 293.934

Background



This preview shows how black text looks on a background with the CIELCh color 47, 90.592, 293.934.



This preview shows how white text looks on a background with the CIELCh color 47, 90.592, 293.934.

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, 90.597, 293.918

Protanopia

47, 70.424, 287.179

Deuteranopia

47, 48.813, 273.781



Tritanopia
47, 28.368, 205.094

Trichromacy



Original Color
47, 90.597, 293.918

Protanomaly
47, 77.732, 290.048

Deuteranomaly
46, 63.834, 284.331

Tritanomaly
46, 40.074, 264.388

Monochromacy



Original Color
47, 90.597, 293.918

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 35.686, 279.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 90.592, 293.934 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, 99, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 254)  
}
```

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, 99, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 90.592, 293.934 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, 99, 254) }
```

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

```
.border{ border-color:rgb(0, 99, 254) }
```

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

Here you see how a box with a 4 pixel rgb(0, 99, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 254)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 90.592, 293.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 254) }
```

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

```
.background{ background-color: rgb(0, 99,  
254) }
```

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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