

Converting Colors

CIELCh(48, 84.088, 294.088)

Have a look what the booklet for
CIELCh(48, 84.088, 294.088)
contains.

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Color

CIELCh(48, 83.973, 294.054)

Conversions

Conversions Part 1

Format	Color
Hex	3366F6
RGB	51, 102, 246
RGB Percent	20%, 40%, 96%
CMY	0.8016, 0.6008, 0.0363
CMYK	0.79, 0.59, 0.00, 0.04
HSL	224°, 91%, 58%
HSV	224°, 79%, 96%
XYZ	22.6719, 16.7945, 89.0378
YIQ	103.1670, -76.6200, 33.9720

Conversions

Conversions Part 2

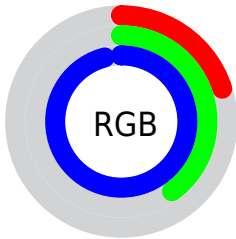
Format	Color
R _Y B	51, 91, 246
Decimal	3368694
CIE Lab	48.00, 34.23, -76.68
CIE LCh	48, 83.973, 294.054
Yxy	16.7945, 0.1764, 0.1307
Android (android.graphics.Color)	4281558774 (0xFF3366F6)
YUV	103.1670, 70.4167, -45.7505
Hunter-Lab	40.9810, 27.0347, -100.1302

Details

The CIELCh color **48, 83.973, 294.054** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **81, 73.468, 85.727**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 57.223, 289.202**, and **31, 82.218, 298.500** is the 20% darker color. If you saturate the color by 10%, you get **43, 95.636, 297.377**, and if you desaturate by 10%, it is **54, 72.333, 290.800**.

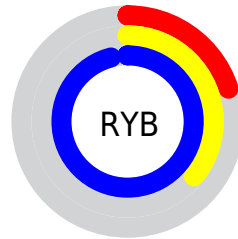
Distribution



Red (20%)

Green (40%)

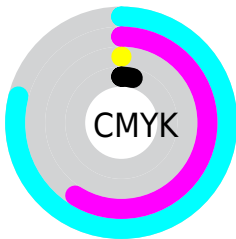
Blue (96%)



Red (20%)

Yellow (36%)

Blue (96%)

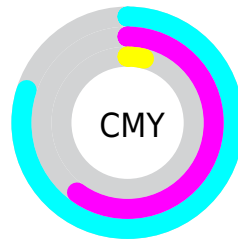


Cyan (79%)

Magenta (59%)

Yellow (0%)

Black (4%)



Cyan (80%)


Magenta (60%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 83.973, 294.054 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 48, 83.973, 294.054 by changing the saturation by 10% instead.

 48, 83.973,
294.054


 48, 83.973,
294.054


 100, 83.973,
294.054


 38, 83.973,
294.054

 68, 83.973,
294.054


 28, 83.973,
294.054

 78, 83.973,
294.054


 18, 83.973,
294.054


 88, 83.973,
294.054

 8, 83.973, 294.054

 98, 83.973,
294.054

 0, 83.973, 294.054

 48, 83.973,

 48, 83.973,

294.054

294.054

■ 43, 95.636,
297.377

■ 54, 72.333,
290.800

■ 39, 106.743,
300.475

■ 59, 60.982,
287.787

■ 38, 107.360,
300.636

■ 66, 49.986,
285.104

■ 72, 39.329,
282.770

■ 78, 28.976,
280.766

■ 84, 18.894,
279.056

■ 91, 9.059, 277.603

■ 97, 0.544, 95.903

100, 4.677,
109.812

Harmonies

Complementary

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



48, 83.973, 294.054



81, 73.468, 85.727

Rectangle

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



48, 83.973, 294.054



48, 83.973, 344.054



48, 83.973, 114.054



48, 83.973, 164.054

Sweetspot

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



48, 83.973, 294.055



84, 24.198, 279.814



87, 59.301, 168.345



43, 16.697, 280.438



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 83.973, 294.055



42, 105.057, 299.223



40, 111.439, 306.872



48, 5.451, 277.612



29, 85.711, 300.104



6, 32.246, 293.978

Inverse Universe

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



55, 76.180, 14.872



54, 87.663, 22.855



91, 89.306, 115.439



48, 5.382, 359.469



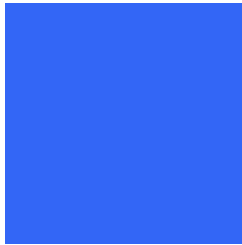
39, 70.611, 24.455



9, 29.777, 13.484

Previews

White Background



This preview shows how the CIE LCh color 48, 83.973, 294.054 looks on a white background.

Color Contrast Check

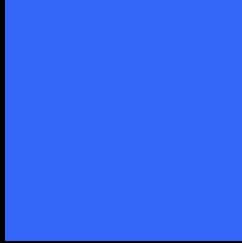
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 83.973, 294.054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

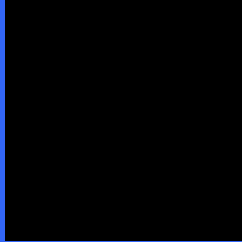
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 83.973, 294.054

Background



This preview shows how black text looks on a background with the CIELCh color 48, 83.973, 294.054.



This preview shows how white text looks on a background with the CIELCh color 48, 83.973, 294.054.

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


48, 83.973, 294.054

Protanopia

48, 71.914, 287.379

Deuteranopia

48, 50.319, 274.513



Tritanopia
48, 28.802, 206.154

Trichromacy



Original Color
48, 83.973, 294.054

Protanomaly
48, 76.392, 289.791

Deuteranomaly
47, 61.920, 283.527

Tritanomaly
47, 38.456, 262.671

Monochromacy



Original Color
48, 83.973, 294.054

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 31.410, 283.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 83.973, 294.054 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(51, 102, 246)` looks like.

```
.text, #text, p{  
    color:rgb(51, 102, 246)  
}
```

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(51, 102, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 102, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 83.973, 294.054 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(51, 102, 246) }
```

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

```
.border{ border-color:rgb(51, 102, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 102, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 102, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 102, 246);  
box-shadow:4px 4px 4px 4px rgb(51, 102,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 83.973, 294.054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 102, 246) }
```

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

```
.background{ background-color: rgb(51, 102,  
246) }
```

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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