

Converting Colors

CIELCh(48, 88.482, 293.958)

Have a look what the booklet for
CIELCh(48, 88.482, 293.958)
contains.

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Color

CIELCh(48, 88.609, 294.045)

Conversions

Conversions Part 1

Format	Color
Hex	2165FD
RGB	33, 101, 253
RGB Percent	13%, 40%, 99%
CMY	0.8709, 0.6029, 0.0065
CMYK	0.87, 0.60, 0.00, 0.01
HSL	221°, 99%, 56%
HSV	221°, 87%, 99%
XYZ	23.0861, 16.7945, 95.2304
YIQ	97.9960, -89.3200, 32.8560

Conversions

Conversions Part 2

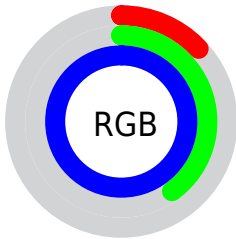
Format	Color
R _Y B	33, 85, 253
Decimal	2188797
CIE Lab	48.00, 36.10, -80.92
CIE LCh	48, 88.609, 294.045
Yxy	16.7945, 0.1709, 0.1243
Android (android.graphics.Color)	4280378877 (0xFF2165FD)
YUV	97.9960, 76.4170, -57.0015
Hunter-Lab	40.9810, 28.8387, -109.0894

Details

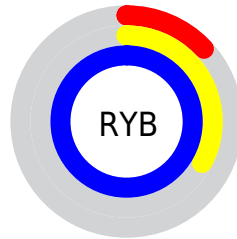
The CIELCh color **48, 88.609, 294.045** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **79, 78.207, 80.283**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 57.941, 288.218**, and **31, 86.023, 299.097** is the 20% darker color. If you saturate the color by 10%, you get **43, 99.691, 297.553**, and if you desaturate by 10%, it is **53, 77.452, 290.488**.

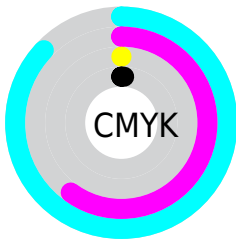
Distribution



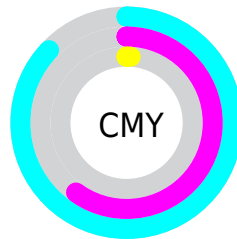
- Red (13%)
- Green (40%)
- Blue (99%)



- Red (13%)
- Yellow (33%)
- Blue (99%)



- Cyan (87%)
- Magenta (60%)
- Yellow (0%)
- Black (1%)



- Cyan (87%)
- Magenta (60%)
- Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 88.609, 294.045 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, 88.609, 294.045 by changing the saturation by 10% instead.

 48, 88.609,
294.045


 48, 88.609,
294.045

 100, 88.609,
294.045

 38, 88.609,
294.045

 68, 88.609,
294.045


 28, 88.609,
294.045

 78, 88.609,
294.045


 18, 88.609,
294.045


 88, 88.609,
294.045

 8, 88.609, 294.045

 98, 88.609,
294.045

 0, 88.609, 294.045

 48, 88.609,

 48, 88.609,

294.045

294.045

■ 43, 99.691,
297.553

■ 53, 77.452,
290.488

■ 42, 102.929,
298.517

■ 59, 66.518,
287.105

■ 64, 55.894,
284.036

■ 70, 45.569,
281.335

■ 77, 35.502,
279.003

■ 83, 25.655,
277.007

■ 89, 16.005,
275.308

■ 95, 6.538, 273.873

100, 0.835,
110.023

Harmonies

Complementary

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



48, 88.609, 294.045



79, 78.207, 80.283

Rectangle

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



48, 88.609, 294.045



48, 88.609, 344.045



48, 88.609, 114.045



48, 88.609, 164.045

Sweetspot

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



48, 88.610, 294.046



84, 24.808, 276.825



89, 67.555, 162.936



42, 16.873, 277.471



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, 88.610, 294.046



42, 103.479, 298.529



37, 123.151, 306.695



50, 5.344, 274.206



32, 81.875, 297.929



8, 32.862, 292.986

Inverse Universe

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



55, 81.751, 14.384



54, 87.838, 21.433



94, 94.830, 113.171



50, 5.695, 356.116



40, 70.348, 20.344



10, 31.422, 12.033

Previews

White Background



This preview shows how the CIE LCh color 48, 88.609, 294.045 looks on a white background.

Color Contrast Check

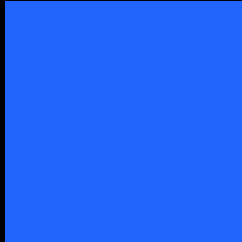
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.609, 294.045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

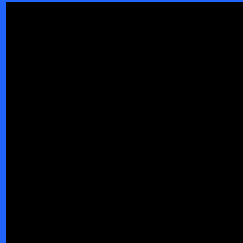
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 88.609, 294.045

Background



This preview shows how black text looks on a background with the CIELCh color 48, 88.609, 294.045.



This preview shows how white text looks on a background with the CIELCh color 48, 88.609, 294.045.

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





Tritanopia
47, 28.633, 206.226

Trichromacy



Original Color
48, 88.599, 294.086

Protanomaly
48, 77.515, 289.945

Deuteranomaly
48, 63.591, 284.042

Tritanomaly
47, 39.920, 264.469

Monochromacy



Original Color
48, 88.599, 294.086

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 33.604, 282.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 88.609, 294.045 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(33, 101, 253)` looks like.

```
.text, #text, p{  
    color:rgb(33, 101, 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(33, 101, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 101, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 88.609, 294.045 is called "border". The border property can be set on classes, ids or directly on the HTML element.

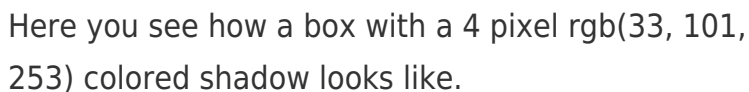
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(33, 101, 253) }
```

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

```
.border{ border-color:rgb(33, 101, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(33, 101, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(33, 101, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(33, 101, 253); box-shadow:4px 4px 4px 4px rgb(33, 101, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 88.609, 294.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 101, 253) }
```

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

```
.background{ background-color: rgb(33, 101,  
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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