

Converting Colors

CIELCh(48, 89.920, 295.584)

Have a look what the booklet for
CIELCh(48, 89.920, 295.584)
contains.

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Color

CIELCh(48, 90.157, 295.617)

Conversions

Conversions Part 1

Format	Color
Hex	3363FE
RGB	51, 99, 254
RGB Percent	20%, 39%, 100%
CMY	0.7996, 0.6116, 0.0038
CMYK	0.80, 0.61, 0.00, 0.00
HSL	226°, 99%, 60%
HSV	226°, 80%, 100%
XYZ	23.7304, 16.7945, 95.7915
YIQ	102.3180, -78.3630, 38.0290

Conversions

Conversions Part 2

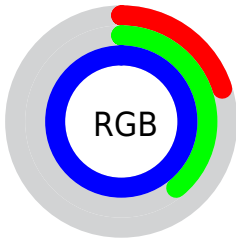
Format	Color
RYB	51, 90, 254
Decimal	3367934
CIELab	48.00, 38.98, -81.29
CIELCh	48, 90.157, 295.617
Yxy	16.7945, 0.1741, 0.1232
Android (android.graphics.Color)	4281558014 (0xFF3363FE)
YUV	102.3180, 74.7792, -45.0059
Hunter-Lab	40.9810, 31.6451, -109.9013

Details

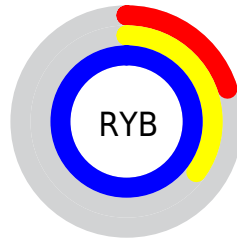
The CIELCh color **48, 90.157, 295.617** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **85, 76.722, 87.729**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 58.926, 290.889**, and **31, 88.421, 299.870** is the 20% darker color. If you saturate the color by 10%, you get **43, 102.456, 298.799**, and if you desaturate by 10%, it is **54, 77.714, 292.449**.

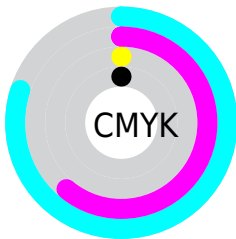
Distribution



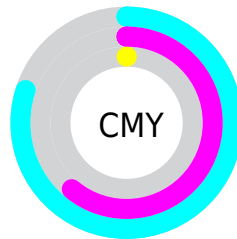
- Red (20%)
- Green (39%)
- Blue (100%)



- Red (20%)
- Yellow (35%)
- Blue (100%)



- Cyan (80%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (61%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 90.157, 295.617 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, 90.157, 295.617 by changing the saturation by 10% instead.


 48, 90.157,
295.617


 48, 90.157,
295.617


 100, 90.157,
295.617


 38, 90.157,
295.617

 68, 90.157,
295.617


 28, 90.157,
295.617

 78, 90.157,
295.617

 18, 90.157,
295.617

 88, 90.157,
295.617

 8, 90.157, 295.617

 98, 90.157,
295.617

 0, 90.157, 295.617

 48, 90.157,

 48, 90.157,

295.617

295.617

■ 43, 102.456,
298.799

■ 54, 77.714,
292.449

■ 39, 113.827,
301.682

■ 60, 65.525,
289.487

■ 39, 113.948,
301.711

■ 66, 53.719,
286.834

■ 73, 42.304,
284.521

■ 80, 31.246,
282.533

■ 86, 20.510,
280.836

■ 93, 10.067,
279.393

100, 0.104, 96.081

100, 0.474,
109.979

Harmonies

Complementary

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



48, 90.157, 295.617



85, 76.722, 87.729

Rectangle

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



48, 90.157, 295.617



48, 90.157, 345.617



48, 90.157, 115.617



48, 90.157, 165.617

Sweetspot

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



48, 90.158, 295.618



84, 24.967, 281.502



90, 59.981, 169.611



42, 17.236, 282.116



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, 90.158, 295.618



40, 109.911, 300.637



42, 114.798, 307.201



50, 5.805, 279.344



29, 90.603, 301.223



6, 36.235, 296.415

Inverse Universe

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



56, 79.082, 17.311



54, 89.452, 25.632



93, 92.312, 116.248



50, 5.504, 1.381



40, 73.233, 26.763



10, 31.775, 16.796

Previews

White Background



This preview shows how the CIE LCh color 48, 90.157, 295.617 looks on a white background.

Color Contrast Check

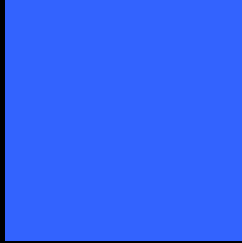
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 90.157, 295.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

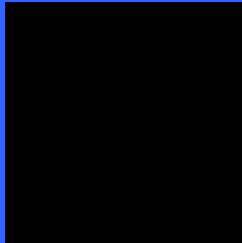
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 90.157, 295.617

Background



This preview shows how black text looks on a background with the CIELCh color 48, 90.157, 295.617.

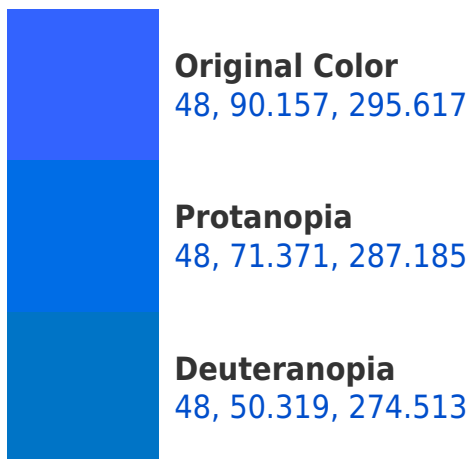


This preview shows how white text looks on a background with the CIELCh color 48, 90.157, 295.617.

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, 90.157, 295.617

Protanomaly
48, 78.641, 290.622

Deuteranomaly
47, 64.131, 284.765

Tritanomaly
47, 39.754, 264.993

Monochromacy



Original Color
48, 90.157, 295.617

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 33.783, 285.392

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 90.157, 295.617 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, 99, 254)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 99, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 99, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 90.157, 295.617 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, 99, 254) }
```

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

```
.border{ border-color:rgb(51, 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(51, 99, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 99, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 99, 254);  
box-shadow:4px 4px 4px 4px rgb(51, 99,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 90.157, 295.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 99, 254) }
```

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

```
.background{ background-color: rgb(51, 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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