

Converting Colors

CIELCh(48, 89.325, 293.689)

Have a look what the booklet for
CIELCh(48, 89.325, 293.689)
contains.

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Color

CIELCh(48, 89.155, 293.605)

Conversions

Conversions Part 1

Format	Color
Hex	1366FF
RGB	19, 102, 255
RGB Percent	7%, 40%, 100%
CMY	0.9260, 0.6009, 0.0011
CMYK	0.93, 0.60, 0.00, 0.00
HSL	219°, 100%, 54%
HSV	219°, 93%, 100%
XYZ	22.9966, 16.7945, 96.3930
YIQ	94.6250, -98.5810, 29.9870

Conversions

Conversions Part 2

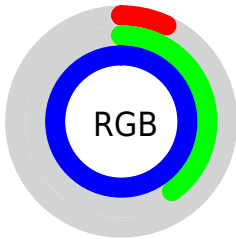
Format	Color
R _Y B	19, 80, 255
Decimal	1271551
CIE Lab	48.00, 35.70, -81.70
CIE LCh	48, 89.155, 293.605
Yxy	16.7945, 0.1689, 0.1233
Android (android.graphics.Color)	4279461631 (0xFF1366FF)
YUV	94.6250, 79.0649, -66.3231
Hunter-Lab	40.9810, 28.4487, -110.7714

Details

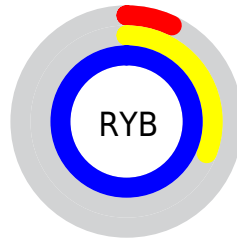
The CIELCh color **48, 89.155, 293.605** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **76, 80.326, 75.266**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 57.478, 286.887**, and **32, 86.474, 299.019** is the 20% darker color. If you saturate the color by 10%, you get **45, 96.901, 296.299**, and if you desaturate by 10%, it is **53, 78.679, 289.816**.

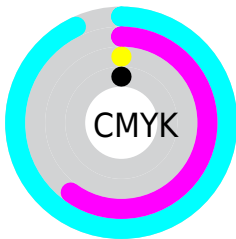
Distribution



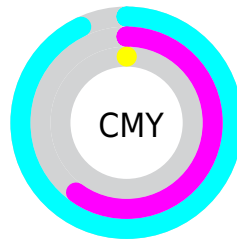
- Red (7%)
- Green (40%)
- Blue (100%)



- Red (7%)
- Yellow (31%)
- Blue (100%)



- Cyan (93%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (93%)
- Magenta (60%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 89.155, 293.605 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, 89.155, 293.605 by changing the saturation by 10% instead.

 48, 89.155,
293.605


 48, 89.155,
293.605


 100, 89.155,
293.605


 38, 89.155,
293.605

 68, 89.155,
293.605


 28, 89.155,
293.605

 78, 89.155,
293.605

 18, 89.155,
293.605


 88, 89.155,
293.605

 8, 89.155, 293.605

 98, 89.155,
293.605

 0, 89.155, 293.605

 48, 89.155,

 48, 89.155,

293.605

■ 45, 96.901,
296.299

293.605

■ 53, 78.679,
289.816

■ 58, 68.398,
286.143

■ 63, 58.390,
282.760

■ 69, 48.636,
279.755

■ 75, 39.086,
277.147

■ 81, 29.699,
274.911

■ 86, 20.449,
273.006

■ 92, 11.325,
271.390

Harmonies

Complementary

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



48, 89.155, 293.605



76, 80.326, 75.266

Rectangle

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



48, 89.155, 293.605



48, 89.155, 343.605



48, 89.155, 113.605



48, 89.155, 163.605

Sweetspot

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



48, 89.156, 293.607



83, 25.456, 273.998



89, 74.306, 158.161



42, 17.626, 274.854



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, 89.156, 293.607



45, 96.991, 296.301



35, 128.949, 306.496



50, 5.108, 270.946



34, 76.702, 295.646



9, 30.763, 290.349

Inverse Universe

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



55, 83.722, 13.515



54, 86.254, 17.546



95, 96.461, 110.701



50, 5.822, 353.334



40, 69.195, 16.479



10, 31.307, 8.875

Previews

White Background



This preview shows how the CIE LCh color 48, 89.155, 293.605 looks on a white background.

Color Contrast Check

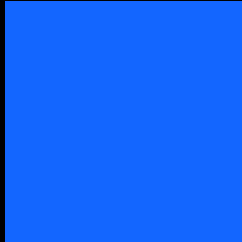
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.155, 293.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

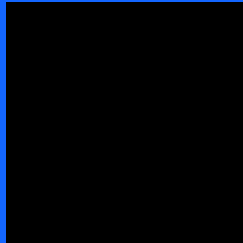
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

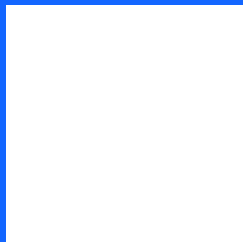
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 89.155, 293.605

Background



This preview shows how black text looks on a background with the CIELCh color 48, 89.155, 293.605.



This preview shows how white text looks on a background with the CIELCh color 48, 89.155, 293.605.

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, 89.162, 293.579

Protanopia

48, 71.371, 287.185

Deuteranopia

48, 50.319, 274.513



Tritanopia
47, 28.633, 206.226

Trichromacy



Original Color
48, 89.162, 293.579

Protanomaly
48, 78.081, 289.997

Deuteranomaly
48, 64.163, 284.138

Tritanomaly
47, 39.596, 263.244

Monochromacy



Original Color
48, 89.162, 293.579

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 33.950, 280.047

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 89.155, 293.605 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(19, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(19, 102, 255)  
}
```

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(19, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 102, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 89.155, 293.605 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(19, 102, 255) }
```

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

```
.border{ border-color:rgb(19, 102, 255) }
```

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

Here you see how a box with a 4 pixel rgb(19, 102, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(19, 102,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 89.155, 293.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 102, 255) }
```

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

```
.background{ background-color: rgb(19, 102,  
255) }
```

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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