

Converting Colors

CIELCh(48, 89.397, 293.565)

Have a look what the booklet for
CIELCh(48, 89.397, 293.565)
contains.

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Color

CIELCh(48, 89.185, 293.488)

Conversions

Conversions Part 1

Format	Color
Hex	0F66FF
RGB	15, 102, 255
RGB Percent	6%, 40%, 100%
CMY	0.9431, 0.6004, 0.0004
CMYK	0.94, 0.60, 0.00, 0.00
HSL	218°, 100%, 53%
HSV	218°, 94%, 100%
XYZ	22.9623, 16.7945, 96.5440
YIQ	93.4290, -100.9650, 29.1390

Conversions

Conversions Part 2

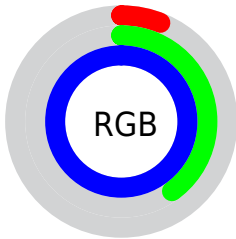
Format	Color
R _Y B	15, 79, 255
Decimal	1009407
CIE Lab	48.00, 35.55, -81.80
CIE LCh	48, 89.185, 293.488
Yxy	16.7945, 0.1685, 0.1232
Android (android.graphics.Color)	4279199487 (0xFF0F66FF)
YUV	93.4290, 79.6545, -68.7822
Hunter-Lab	40.9810, 28.2994, -110.9899

Details

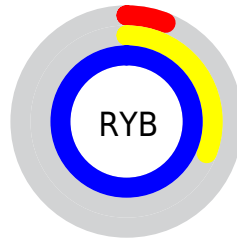
The CIELCh color **48, 89.185, 293.488** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **76, 80.903, 73.695**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 57.506, 286.665**, and **32, 86.474, 299.019** is the 20% darker color. If you saturate the color by 10%, you get **46, 95.032, 295.583**, and if you desaturate by 10%, it is **53, 78.921, 289.635**.

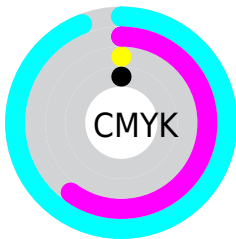
Distribution



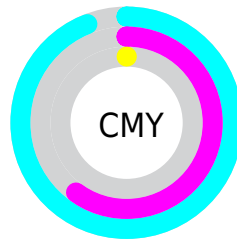
- Red (6%)
- Green (40%)
- Blue (100%)



- Red (6%)
- Yellow (31%)
- Blue (100%)



- Cyan (94%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (94%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 89.185, 293.488 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, 89.185, 293.488 by changing the saturation by 10% instead.

 48, 89.185,
293.488

 48, 89.185,
293.488

 100, 89.185,
293.488

 38, 89.185,
293.488

 68, 89.185,
293.488

 28, 89.185,
293.488

 78, 89.185,
293.488


 18, 89.185,
293.488


 88, 89.185,
293.488

 8, 89.185, 293.488

 98, 89.185,
293.488

 0, 89.185, 293.488

 48, 89.185,

 48, 89.185,

293.488

293.488

■ 46, 95.032,
295.583

■ 53, 78.921,
289.635

■ 58, 68.846,
285.875

■ 63, 59.035,
282.396

■ 68, 49.464,
279.295

■ 74, 40.083,
276.598

■ 80, 30.846,
274.285

■ 86, 21.728,
272.314

■ 92, 12.718,
270.643

Harmonies

Complementary

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



48, 89.185, 293.488



76, 80.903, 73.695

Rectangle

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



48, 89.185, 293.488



48, 89.185, 343.488



48, 89.185, 113.488



48, 89.185, 163.488

Sweetspot

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



48, 89.186, 293.490



84, 25.089, 273.005



89, 75.062, 157.768



42, 17.364, 273.866



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, 89.186, 293.490



46, 95.066, 295.584



34, 130.089, 306.557



50, 5.042, 269.937



34, 75.173, 294.914



9, 30.154, 289.511

Inverse Universe

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



55, 84.112, 13.299



54, 85.879, 16.380



95, 96.961, 110.779



50, 5.862, 352.544



40, 68.928, 15.325



10, 31.290, 7.884

Previews

White Background



This preview shows how the CIE LCh color 48, 89.185, 293.488 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, 89.185, 293.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

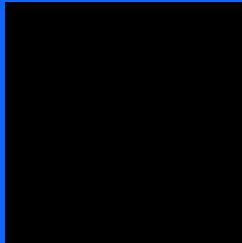
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

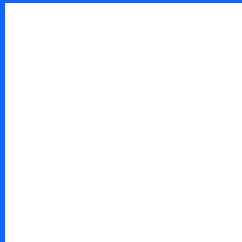
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 89.185, 293.488

Background



This preview shows how black text looks on a background with the CIELCh color 48, 89.185, 293.488.



This preview shows how white text looks on a background with the CIELCh color 48, 89.185, 293.488.

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, 89.185, 293.488

Protanopia

48, 71.914, 287.379

Deuteranopia

48, 50.319, 274.513



Tritanopia
48, 28.876, 204.902

Trichromacy



Original Color
48, 89.185, 293.488

Protanomaly
48, 78.633, 290.112

Deuteranomaly
48, 64.175, 284.080

Tritanomaly
47, 39.634, 263.131

Monochromacy



Original Color
48, 89.185, 293.488

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 34.668, 279.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 89.185, 293.488 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(15, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(15, 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(15, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 102, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 89.185, 293.488 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(15, 102, 255) }
```

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

```
.border{ border-color:rgb(15, 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(15, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(15, 102,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 89.185, 293.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 102, 255) }
```

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

```
.background{ background-color: rgb(15, 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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