

Converting Colors

CIELCh(49, 78.935, 290.275)

Have a look what the booklet for
CIELCh(49, 78.935, 290.275)
contains.

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Color

CIELCh(49, 78.834, 290.200)

Conversions

Conversions Part 1

Format	Color
Hex	166DF4
RGB	22, 109, 244
RGB Percent	9%, 43%, 96%
CMY	0.9125, 0.5732, 0.0439
CMYK	0.91, 0.55, 0.00, 0.04
HSL	217°, 91%, 52%
HSV	217°, 91%, 96%
XYZ	22.0858, 17.5941, 87.6573
YIQ	98.3770, -95.1870, 23.5410

Conversions

Conversions Part 2

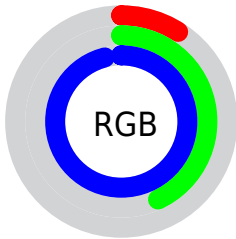
Format	Color
R_{YB}	22, 85, 244
Decimal	1469940
CIE _{Lab}	49.00, 27.22, -73.99
CIE _{LCh}	49, 78.834, 290.200
Yxy	17.5941, 0.1734, 0.1382
Android (android.graphics.Color)	4279660020 (0xFF166DF4)
YUV	98.3770, 71.7921, -66.9826
Hunter-Lab	41.9453, 20.5829, -94.5426

Details

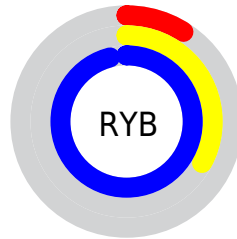
The CIELCh color **49, 78.834, 290.200** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **72, 76.792, 72.182**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 53.171, 282.411**, and **32, 77.109, 296.432** is the 20% darker color. If you saturate the color by 10%, you get **45, 87.493, 293.774**, and if you desaturate by 10%, it is **53, 69.528, 286.228**.

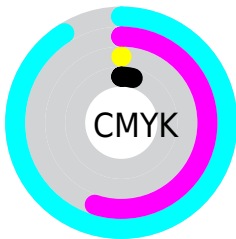
Distribution



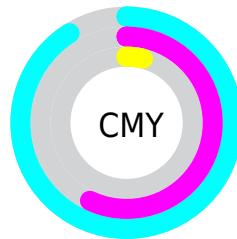
- Red (9%)
- Green (43%)
- Blue (96%)



- Red (9%)
- Yellow (33%)
- Blue (96%)



- Cyan (91%)
- Magenta (55%)
- Yellow (0%)
- Black (4%)



- Cyan (91%)
- Magenta (57%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 78.834, 290.200 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 49, 78.834, 290.200 by changing the saturation by 10% instead.


 49, 78.834,
290.200


 49, 78.834,
290.200


 100, 78.834,
290.200

 39, 78.834,
290.200

 69, 78.834,
290.200


 29, 78.834,
290.200

 79, 78.834,
290.200

 19, 78.834,
290.200

 89, 78.834,
290.200

 9, 78.834, 290.200

 99, 78.834,
290.200

 0, 78.834, 290.200

 49, 78.834,

 49, 78.834,

290.200

■ 45, 87.493,
293.774

290.200

■ 53, 69.528,
286.228

■ 58, 60.456,
282.461

■ 63, 51.604,
279.045

■ 68, 42.915,
276.042

■ 74, 34.335,
273.452

■ 79, 25.833,
271.242

■ 85, 17.394,
269.365

■ 90, 9.016, 267.780

Harmonies

Complementary

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



49, 78.834, 290.200



72, 76.792, 72.182

Rectangle

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



49, 78.834, 290.200



49, 78.834, 340.200



49, 78.834, 110.200



49, 78.834, 160.200

Sweetspot

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



49, 78.834, 290.202



85, 23.421, 270.496



86, 73.797, 156.439



43, 15.801, 271.169



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 78.834, 290.202



47, 90.754, 293.871



33, 123.763, 306.141



48, 4.739, 267.587



35, 70.187, 293.088



8, 26.853, 286.800

Inverse Universe

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



53, 79.896, 8.930



54, 85.195, 13.748



92, 92.306, 108.761



48, 5.758, 350.818



39, 67.073, 12.612



9, 29.646, 4.740

Previews

White Background



This preview shows how the CIE LCh color 49, 78.834, 290.200 looks on a white background.

Color Contrast Check

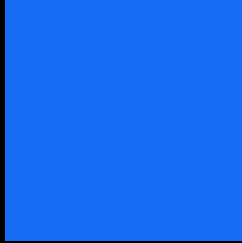
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 78.834, 290.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

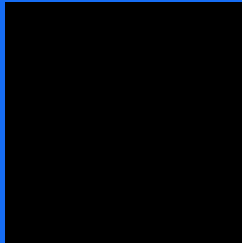
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

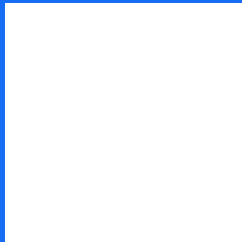
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 78.834, 290.200

Background



This preview shows how black text looks on a background with the CIELCh color 49, 78.834, 290.200.



This preview shows how white text looks on a background with the CIELCh color 49, 78.834, 290.200.

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

49, 78.841, 290.165

Protanopia

49, 73.398, 287.570

Deuteranopia

49, 52.332, 275.584



Tritanopia
49, 29.138, 206.012

Trichromacy



Original Color
49, 78.841, 290.165

Protanomaly
49, 75.597, 288.643

Deuteranomaly
49, 61.270, 282.022

Tritanomaly
48, 37.187, 257.936

Monochromacy



Original Color
49, 78.841, 290.165

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 30.484, 275.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 78.834, 290.200 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(22, 109, 244)` looks like.

```
.text, #text, p{  
    color:rgb(22, 109, 244)  
}
```

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(22, 109, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 109, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 78.834, 290.200 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(22, 109, 244) }
```

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

```
.border{ border-color:rgb(22, 109, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 109, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 109, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 109, 244);  
box-shadow:4px 4px 4px 4px rgb(22, 109,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 78.834, 290.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 109, 244) }
```

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

```
.background{ background-color: rgb(22, 109,  
244) }
```

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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