

# Converting Colors

CIELCh(49, 79.850, 291.887)

Have a look what the booklet for  
CIELCh(49, 79.850, 291.887)  
contains.

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# Color

**CIELCh(49, 79.858, 291.885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2C6BF4
RGB	44, 107, 244
RGB Percent	17%, 42%, 96%
CMY	0.8270, 0.5803, 0.0430
CMYK	0.82, 0.56, 0.00, 0.04
HSL	221°, 90%, 56%
HSV	221°, 82%, 96%
XYZ	22.6390, 17.5941, 87.8239
YIQ	103.7810, -81.5250, 29.2510

# Conversions

## Conversions Part 2

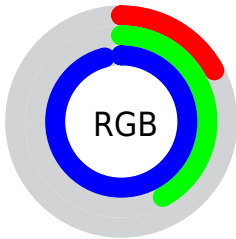
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	44, 92, 244
Decimal	2911220
CIE <sub>Lab</sub>	49.00, 29.77, -74.10
CIE <sub>LCh</sub>	49, 79.858, 291.885
Yxy	17.5941, 0.1768, 0.1374
Android (android.graphics.Color)	4281101300 (0xFF2C6BF4)
YUV	103.7810, 69.1280, -52.4279
Hunter-Lab	41.9453, 22.9371, -94.7781

# Details

The CIELCh color **49, 79.858, 291.885** 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 **78, 73.058, 80.905**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 53.939, 285.557**, and **32, 78.423, 297.024** is the 20% darker color. If you saturate the color by 10%, you get **44, 90.624, 295.473**, and if you desaturate by 10%, it is **54, 69.216, 288.386**.

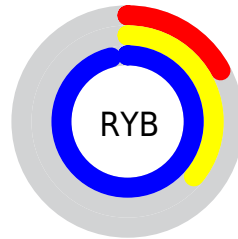
# Distribution



Red (17%)

Green (42%)

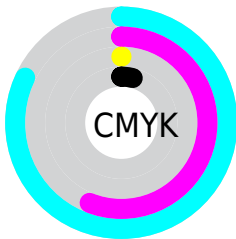
Blue (96%)



Red (17%)

Yellow (36%)

Blue (96%)

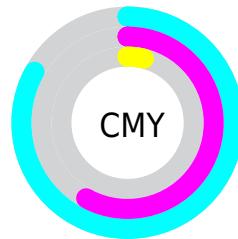


Cyan (82%)

Magenta (56%)

Yellow (0%)

Black (4%)



Cyan (83%)

Magenta (58%)

Yellow (4%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 79.858, 291.885 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, 79.858, 291.885 by changing the saturation by 10% instead.





 49, 79.858,  
291.885


 49, 79.858,  
291.885


 100, 79.858,  
291.885

 39, 79.858,  
291.885

 69, 79.858,  
291.885


 29, 79.858,  
291.885

 79, 79.858,  
291.885

 19, 79.858,  
291.885

 89, 79.858,  
291.885

 9, 79.858, 291.885

 99, 79.858,  
291.885

 0, 79.858, 291.885

 49, 79.858,

 49, 79.858,

291.885

■ 44, 90.624,  
295.473

■ 41, 99.159,  
298.214

291.885

■ 54, 69.216,  
288.386

■ 60, 58.854,  
285.147

■ 65, 48.786,  
282.262

■ 71, 38.980,  
279.752

■ 77, 29.395,  
277.595

■ 83, 20.003,  
275.755

■ 89, 10.786,  
274.192

■ 95, 1.736, 272.970

100, 5.545,  
109.750

# Harmonies

# Complementary

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



49, 79.858, 291.885



78, 73.058, 80.905

# Rectangle

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



49, 79.858, 291.885



49, 79.858, 341.885



49, 79.858, 111.885



49, 79.858, 161.885

# Sweetspot

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



49, 79.858, 291.886



85, 23.699, 276.300



86, 63.418, 164.004



43, 16.221, 276.946



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, 79.858, 291.886



44, 100.599, 297.653



38, 114.327, 306.305



48, 5.142, 273.849



31, 79.525, 297.623



7, 30.209, 291.691



# Inverse Universe

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



54, 76.629, 11.539



54, 86.808, 19.899



91, 89.514, 113.024



48, 5.520, 355.794



39, 68.763, 19.800



9, 29.650, 10.259



# Previews

## White Background



This preview shows how the CIE LCh color 49, 79.858, 291.885 looks on a white background.

## Color Contrast Check

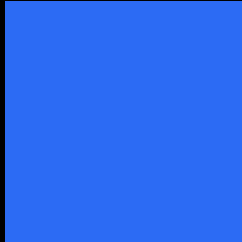
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 79.858, 291.885 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

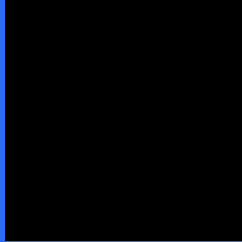
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

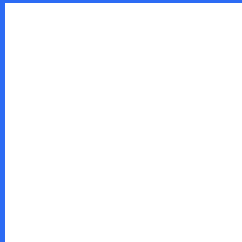
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 49, 79.858, 291.885

## Background



This preview shows how black text looks on a background with the CIELCh color 49, 79.858, 291.885.



This preview shows how white text looks on a background with the CIELCh color 49, 79.858, 291.885.

# 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, 79.858, 291.885

### Protanopia

49, 73.398, 287.570

### Deuteranopia

49, 52.332, 275.584





**Tritanopia**  
49, 29.075, 207.251

# Trichromacy



**Original Color**  
49, 79.858, 291.885

**Protanomaly**  
49, 75.556, 288.836

**Deuteranomaly**  
49, 62.328, 283.035

**Tritanomaly**  
48, 37.781, 260.203

# Monochromacy



**Original Color**  
49, 79.858, 291.885

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
45, 30.369, 280.625

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 79.858, 291.885 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(44, 107, 244)` looks like.

```
.text, #text, p{  
    color:rgb(44, 107, 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(44, 107, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 107, 244) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 79.858, 291.885 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(44, 107, 244) }
```

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

```
.border{ border-color:rgb(44, 107, 244) }
```

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

Here you see how a box with a 4 pixel rgb(44, 107, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 107, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 107, 244);  
box-shadow:4px 4px 4px 4px rgb(44, 107,  
244) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 79.858, 291.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 107, 244) }
```

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

```
.background{ background-color: rgb(44, 107,  
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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