

Converting Colors

CIELCh(49, 86.386, 292.400)

Have a look what the booklet for
CIELCh(49, 86.386, 292.400)
contains.

CIELCh(49, 86.131, 292.335)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 86.131, 292.335)

Conversions

Conversions Part 1

Format	Color
Hex	126AFE
RGB	18, 106, 254
RGB Percent	7%, 42%, 100%
CMY	0.9291, 0.5843, 0.0039
CMYK	0.93, 0.58, 0.00, 0.00
HSL	218°, 99%, 53%
HSV	218°, 93%, 100%
XYZ	23.2950, 17.5941, 95.9392
YIQ	96.5600, -99.9560, 27.3720

Conversions

Conversions Part 2

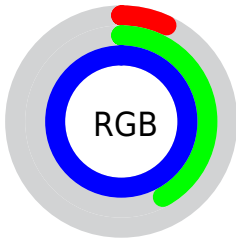
Format	Color
R _Y B	18, 82, 254
Decimal	1207038
CIE Lab	49.00, 32.73, -79.67
CIE LCh	49, 86.131, 292.335
Yxy	17.5941, 0.1702, 0.1286
Android (android.graphics.Color)	4279397118 (0xFF126AFE)
YUV	96.5600, 77.6179, -68.8971
Hunter-Lab	41.9453, 25.7285, -106.2492

Details

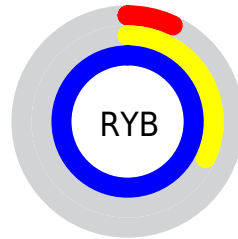
The CIELCh color **49, 86.131, 292.335** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **75, 80.173, 73.245**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.722, 284.364**, and **32, 84.031, 298.189** is the 20% darker color. If you saturate the color by 10%, you get **46, 93.324, 295.019**, and if you desaturate by 10%, it is **54, 76.094, 288.433**.

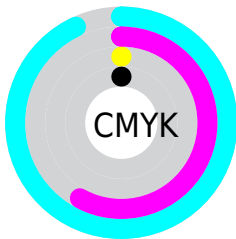
Distribution



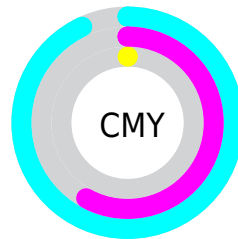
- Red (7%)
- Green (42%)
- Blue (100%)



- Red (7%)
- Yellow (32%)
- Blue (100%)



- Cyan (93%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)



- Cyan (93%)
- Magenta (58%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 86.131, 292.335 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, 86.131, 292.335 by changing the saturation by 10% instead.


 49, 86.131,
292.335


 49, 86.131,
292.335


 100, 86.131,
292.335


 39, 86.131,
292.335


 69, 86.131,
292.335


 29, 86.131,
292.335


 79, 86.131,
292.335

 19, 86.131,
292.335

 89, 86.131,
292.335

 9, 86.131, 292.335

 99, 86.131,
292.335

 0, 86.131, 292.335

 49, 86.131,

 49, 86.131,

292.335

292.335

■ 46, 93.324,
295.019

■ 54, 76.094,
288.433

■ 59, 66.275,
284.669

■ 64, 56.714,
281.213

■ 69, 47.369,
278.151

■ 75, 38.186,
275.496

■ 81, 29.125,
273.225

■ 86, 20.164,
271.292

■ 92, 11.294,
269.655

Harmonies

Complementary

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



49, 86.131, 292.335



75, 80.173, 73.245

Rectangle

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



49, 86.131, 292.335



49, 86.131, 342.335



49, 86.131, 112.335



49, 86.131, 162.335

Sweetspot

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



49, 86.131, 292.337



84, 24.819, 272.243



89, 75.711, 156.994



42, 17.172, 273.108



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, 86.131, 292.337



46, 93.621, 295.027



34, 129.065, 306.386



50, 4.994, 269.165



35, 74.027, 294.345



9, 29.701, 288.863

Inverse Universe

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



55, 83.296, 11.696



54, 85.626, 15.501



95, 96.096, 109.770



50, 5.892, 351.960



41, 68.750, 14.455



10, 31.283, 7.123

Previews

White Background



This preview shows how the CIE LCh color 49, 86.131, 292.335 looks on a white background.

Color Contrast Check

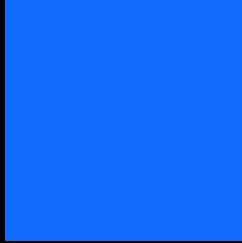
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.131, 292.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

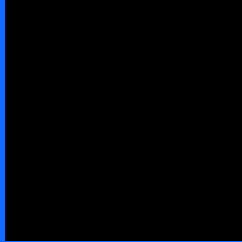
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

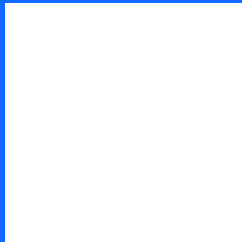
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 86.131, 292.335

Background



This preview shows how black text looks on a background with the CIELCh color 49, 86.131, 292.335.



This preview shows how white text looks on a background with the CIELCh color 49, 86.131, 292.335.

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, 86.131, 292.335

Protanopia

49, 73.398, 287.570

Deuteranopia

49, 51.821, 275.199



Tritanopia
49, 29.138, 206.012

Trichromacy



Original Color
49, 86.131, 292.335

Protanomaly
49, 78.384, 289.626

Deuteranomaly
49, 64.002, 283.500

Tritanomaly
48, 39.278, 261.687

Monochromacy



Original Color
49, 86.131, 292.335

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 33.349, 278.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 86.131, 292.335 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(18, 106, 254)` looks like.

```
.text, #text, p{  
    color:rgb(18, 106, 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(18, 106, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 106, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 86.131, 292.335 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(18, 106, 254) }
```

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

```
.border{ border-color:rgb(18, 106, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 106, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 106, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 106, 254);  
box-shadow:4px 4px 4px 4px rgb(18, 106,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 86.131, 292.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 106, 254) }
```

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

```
.background{ background-color: rgb(18, 106,  
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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