

Converting Colors

CIELCh(49, 89.302, 296.011)

Have a look what the booklet for
CIELCh(49, 89.302, 296.011)
contains.

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Color

CIELCh(49, 89.255, 296.041)

Conversions

Conversions Part 1

Format	Color
Hex	3F65FF
RGB	63, 101, 255
RGB Percent	25%, 40%, 100%
CMY	0.7526, 0.6038, 0.0000
CMYK	0.75, 0.60, 0.00, 0.00
HSL	228°, 100%, 62%
HSV	228°, 75%, 100%
XYZ	24.7660, 17.5941, 96.7288
YIQ	107.1940, -72.0820, 39.8380

Conversions

Conversions Part 2

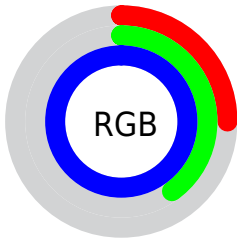
Format	Color
R _Y B	63, 95, 255
Decimal	4154879
CIE _{Lab}	49.00, 39.18, -80.19
CIE _{LCh}	49, 89.255, 296.041
Yxy	17.5941, 0.1781, 0.1265
Android (android.graphics.Color)	4282344959 (0xFF3F65FF)
YUV	107.1940, 72.8684, -38.7581
Hunter-Lab	41.9453, 31.9887, -107.3653

Details

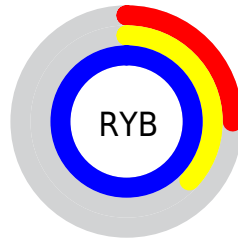
The CIELCh color **49, 89.255, 296.041** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **88, 75.510, 91.298**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 57.050, 291.432**, and **31, 87.722, 299.489** is the 20% darker color. If you saturate the color by 10%, you get **43, 102.225, 299.059**, and if you desaturate by 10%, it is **55, 76.147, 293.076**.

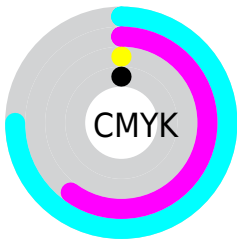
Distribution



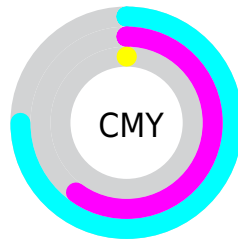
- Red (25%)
- Green (40%)
- Blue (100%)



- Red (25%)
- Yellow (37%)
- Blue (100%)



- Cyan (75%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (60%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 89.255, 296.041 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, 89.255, 296.041 by changing the saturation by 10% instead.


 49, 89.255,
296.041


 49, 89.255,
296.041


 100, 89.255,
296.041


 39, 89.255,
296.041

 69, 89.255,
296.041


 29, 89.255,
296.041

 79, 89.255,
296.041

 19, 89.255,
296.041

 89, 89.255,
296.041

 9, 89.255, 296.041

 99, 89.255,
296.041

 0, 89.255, 296.041

 49, 89.255,

 49, 89.255,

296.041

296.041

■ 43, 102.225,
299.059

■ 55, 76.147,
293.076

■ 39, 114.252,
301.868

■ 62, 63.362,
290.342

■ 37, 119.273,
303.007

■ 69, 51.006,
287.916

■ 75, 39.083,
285.814

■ 82, 27.561,
284.012

■ 89, 16.405,
282.478

■ 96, 5.583, 281.185

100, 0.012,
296.813

Harmonies

Complementary

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



49, 89.255, 296.041



88, 75.510, 91.298

Rectangle

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



49, 89.255, 296.041



49, 89.255, 346.041



49, 89.255, 116.041



49, 89.255, 166.041

Sweetspot

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



49, 89.236, 296.039



84, 25.004, 283.643



91, 55.235, 174.770



42, 17.402, 284.239



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, 89.236, 296.039



41, 108.112, 300.434



45, 108.821, 307.840



49, 6.061, 281.702



27, 94.690, 302.574



6, 37.735, 297.676

Inverse Universe

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



58, 76.540, 18.429



54, 87.747, 25.434



93, 90.225, 118.446



50, 5.425, 4.254



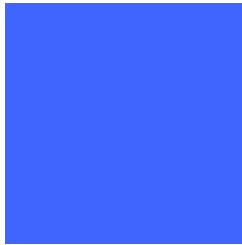
40, 75.056, 29.764



10, 31.997, 18.847

Previews

White Background



This preview shows how the CIE LCh color 49, 89.255, 296.041 looks on a white background.

Color Contrast Check

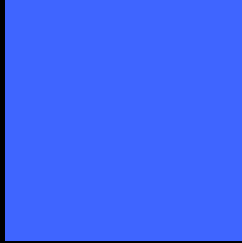
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.255, 296.041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

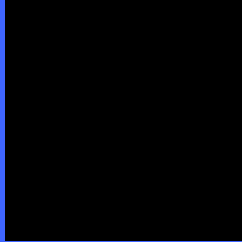
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 89.255, 296.041

Background



This preview shows how black text looks on a background with the CIELCh color 49, 89.255, 296.041.



This preview shows how white text looks on a background with the CIELCh color 49, 89.255, 296.041.

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





Tritanopia
49, 29.075, 207.251

Trichromacy



Original Color
49, 89.255, 296.041

Protanomaly
48, 79.535, 290.700

Deuteranomaly
48, 64.521, 284.757

Tritanomaly
48, 40.170, 265.352

Monochromacy



Original Color
49, 89.255, 296.041

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 33.441, 287.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 89.255, 296.041 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(63, 101, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 101, 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(63, 101, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 101, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 89.255, 296.041 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(63, 101, 255) }
```

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

```
.border{ border-color:rgb(63, 101, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 101, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 101, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 101, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 101,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 89.255, 296.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 101, 255) }
```

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

```
.background{ background-color: rgb(63, 101,  
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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