

Converting Colors

CIELCh(50, 82.020, 292.429)

Have a look what the booklet for
CIELCh(50, 82.020, 292.429)
contains.

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Color

CIELCh(50, 81.797, 292.367)

Conversions

Conversions Part 1

Format	Color
Hex	316DFA
RGB	49, 109, 250
RGB Percent	19%, 43%, 98%
CMY	0.8096, 0.5734, 0.0206
CMYK	0.81, 0.56, 0.00, 0.02
HSL	222°, 95%, 58%
HSV	222°, 81%, 98%
XYZ	23.9045, 18.4187, 92.5249
YIQ	107.1340, -81.0210, 31.1310

Conversions

Conversions Part 2

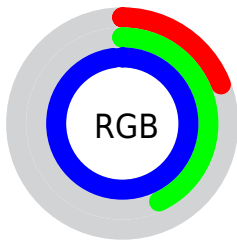
Format	Color
R_{YB}	49, 95, 250
Decimal	3239418
CIE _{Lab}	50.00, 31.13, -75.64
CIE _{LCh}	50, 81.797, 292.367
Yxy	18.4187, 0.1773, 0.1366
Android (android.graphics.Color)	4281429498 (0xFF316DFA)
YUV	107.1340, 70.4329, -50.9835
Hunter-Lab	42.9170, 24.3187, -97.7817

Details

The CIELCh color **50, 81.797, 292.367** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **80, 73.957, 82.450**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 52.706, 285.611**, and **33, 79.893, 296.986** is the 20% darker color. If you saturate the color by 10%, you get **45, 93.028, 295.881**, and if you desaturate by 10%, it is **55, 70.682, 288.948**.

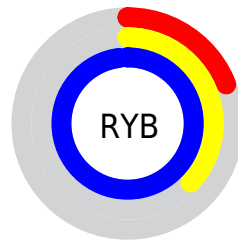
Distribution



Red (19%)

Green (43%)

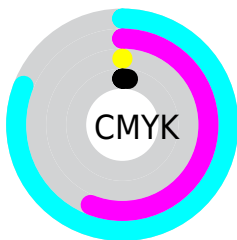
Blue (98%)



Red (19%)

Yellow (37%)

Blue (98%)

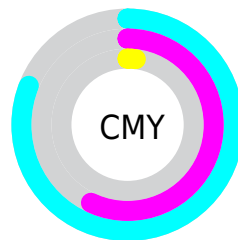


Cyan (81%)

Magenta (56%)

Yellow (0%)

Black (2%)



Cyan (81%)


Magenta (57%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 81.797, 292.367 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 50, 81.797, 292.367 by changing the saturation by 10% instead.


 50, 81.797,
292.367


 50, 81.797,
292.367


 100, 81.797,
292.367


 40, 81.797,
292.367


 70, 81.797,
292.367

 30, 81.797,
292.367


 80, 81.797,
292.367


 20, 81.797,
292.367

 90, 81.797,
292.367

 10, 81.797,
292.367

 0, 81.797, 292.367

 50, 81.797,
292.367

 50, 81.797,
292.367

45, 93.028,
295.881

55, 70.682,
288.948

41, 103.358,
299.015

61, 59.861,
285.791

67, 49.359,
282.984

73, 39.145,
280.545

79, 29.180,
278.451

85, 19.433,
276.665

92, 9.887, 275.147

98, 0.530, 274.296

100, 2.656,
109.951

Harmonies

Complementary

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



50, 81.797, 292.367



80, 73.957, 82.450

Rectangle

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



50, 81.797, 292.367



50, 81.797, 342.367



50, 81.797, 112.367



50, 81.797, 162.367

Sweetspot

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



50, 81.797, 292.368



85, 23.150, 277.251



88, 62.791, 165.498



43, 15.962, 277.891



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 81.797, 292.368



43, 101.839, 298.109



40, 114.659, 306.437



49, 5.319, 275.001



31, 82.284, 298.434



7, 32.150, 293.099

Inverse Universe

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



56, 77.384, 12.294



54, 86.999, 20.735



93, 90.596, 113.836



49, 5.571, 356.854



40, 69.979, 21.259



9, 30.574, 12.071

Previews

White Background



This preview shows how the CIE LCh color 50, 81.797, 292.367 looks on a white background.

Color Contrast Check

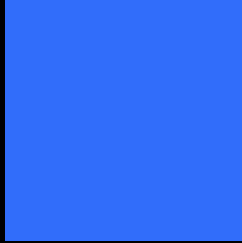
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 81.797, 292.367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

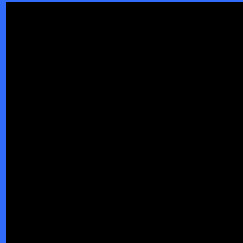
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

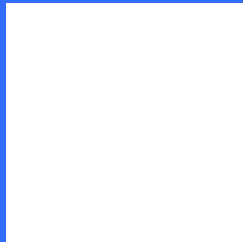
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 81.797, 292.367

Background



This preview shows how black text looks on a background with the CIELCh color 50, 81.797, 292.367.



This preview shows how white text looks on a background with the CIELCh color 50, 81.797, 292.367.

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

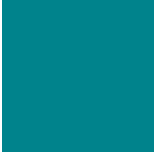
50, 81.797, 292.367

Protanopia

50, 74.265, 287.386

Deuteranopia

50, 52.796, 275.225



Tritanopia
50, 29.576, 207.020

Trichromacy



Original Color
50, 81.797, 292.367

Protanomaly
50, 77.016, 289.032

Deuteranomaly
50, 62.702, 282.719

Tritanomaly
49, 38.310, 260.133

Monochromacy



Original Color
50, 81.797, 292.367

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 30.749, 281.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 81.797, 292.367 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(49, 109, 250)` looks like.

```
.text, #text, p{  
    color:rgb(49, 109, 250)  
}
```

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(49, 109, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 109, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 81.797, 292.367 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(49, 109, 250) }
```

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

```
.border{ border-color:rgb(49, 109, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 109, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 109, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 109, 250);  
box-shadow:4px 4px 4px 4px rgb(49, 109,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 81.797, 292.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 109, 250) }
```

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

```
.background{ background-color: rgb(49, 109,  
250) }
```

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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