

Converting Colors

CIELCh(51, 86.421, 299.431)

Have a look what the booklet for
CIELCh(51, 86.421, 299.431)
contains.

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Color

CIELCh(51, 86.324, 299.387)

Conversions

Conversions Part 1

Format	Color
Hex	6466FC
RGB	100, 102, 252
RGB Percent	39%, 40%, 99%
CMY	0.6074, 0.5997, 0.0114
CMYK	0.60, 0.60, 0.00, 0.01
HSL	239°, 96%, 69%
HSV	239°, 60%, 99%
XYZ	27.6130, 19.2686, 94.4389
YIQ	118.5020, -49.3420, 46.2260

Conversions

Conversions Part 2

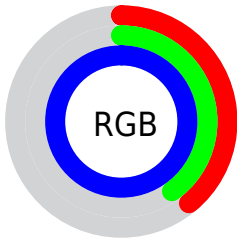
Format	Color
R _Y B	100, 102, 252
Decimal	6579964
CIE Lab	51.00, 42.36, -75.22
CIE LCh	51, 86.324, 299.387
Yxy	19.2686, 0.1954, 0.1363
Android (android.graphics.Color)	4284770044 (0xFF6466FC)
YUV	118.5020, 65.8145, -16.2263
Hunter-Lab	43.8960, 35.4682, -96.8307

Details

The CIELCh color **51, 86.324, 299.387** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **96, 72.117, 103.943**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 56.354, 298.506**, and **31, 86.082, 299.328** is the 20% darker color. If you saturate the color by 10%, you get **44, 101.850, 301.672**, and if you desaturate by 10%, it is **59, 70.669, 297.188**.

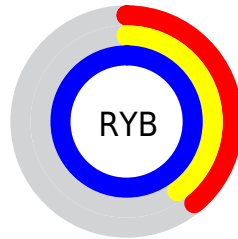
Distribution



Red (39%)

Green (40%)

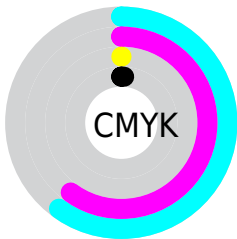
Blue (99%)



Red (39%)

Yellow (40%)

Blue (99%)

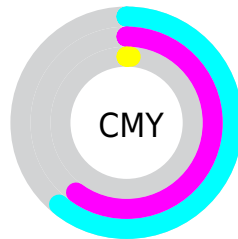


Cyan (60%)

Magenta (60%)

Yellow (0%)

Black (1%)



Cyan (61%)


Magenta (60%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 86.324, 299.387 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 51, 86.324, 299.387 by changing the saturation by 10% instead.


 51, 86.324,
299.387


 51, 86.324,
299.387


 100, 86.324,
299.387


 41, 86.324,
299.387


 71, 86.324,
299.387

 31, 86.324,
299.387

 81, 86.324,
299.387

 21, 86.324,
299.387

 91, 86.324,
299.387

 11, 86.324,
299.387

 1, 86.324, 299.387

 0, 86.324, 299.387

51, 86.324,
299.387

51, 86.324,
299.387

44, 101.850,
301.672

59, 70.669,
297.188

38, 115.990,
303.785

67, 55.431,
295.205

34, 126.667,
305.376

75, 40.783,
293.478

32, 132.149,
306.182

83, 26.747,
292.004

91, 13.291,
290.756

99, 0.373, 289.912

100, 1.461,
110.016

Harmonies

Complementary

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



51, 86.324, 299.387



96, 72.117, 103.943

Rectangle

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



51, 86.324, 299.387



51, 86.324, 349.387



51, 86.324, 119.387



51, 86.324, 169.387

Sweetspot

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



51, 86.324, 299.388



85, 23.843, 291.701



91, 41.798, 195.014



43, 16.668, 292.091



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 86.324, 299.388



43, 105.397, 302.065



57, 86.813, 311.643



48, 7.282, 290.665



23, 106.120, 306.136



3, 41.646, 300.607

Inverse Universe

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



62, 65.128, 26.860



58, 79.662, 30.580



92, 78.836, 125.819



49, 5.166, 18.897



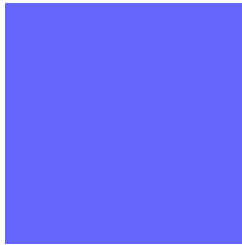
39, 82.799, 39.482



9, 32.100, 25.626

Previews

White Background



This preview shows how the CIELCh color 51, 86.324, 299.387 looks on a white background.

Color Contrast Check

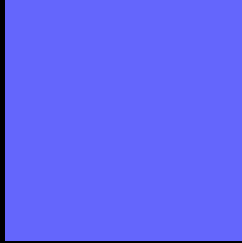
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 51, 86.324, 299.387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

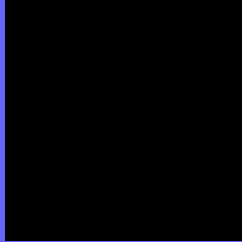
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 86.324, 299.387

Background



This preview shows how black text looks on a background with the CIELCh color 51, 86.324, 299.387.

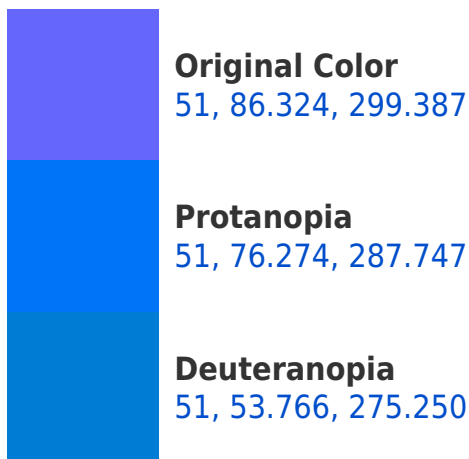


This preview shows how white text looks on a background with the CIELCh color 51, 86.324, 299.387.

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
51, 24.964, 212.194

Trichromacy



Original Color
51, 86.324, 299.387

Protanomaly
50, 80.177, 290.852

Deuteranomaly
50, 65.218, 285.150

Tritanomaly
50, 38.031, 272.876

Monochromacy



Original Color
51, 86.324, 299.387

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 31.673, 293.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 86.324, 299.387 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(100, 102, 252)` looks like.

```
.text, #text, p{  
    color:rgb(100, 102, 252)  
}
```

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(100, 102, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 102, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 86.324, 299.387 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(100, 102, 252) }
```

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

```
.border{ border-color:rgb(100, 102, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 102, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 102, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 102, 252);  
box-shadow:4px 4px 4px 4px rgb(100, 102,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 86.324, 299.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 102, 252) }
```

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

```
.background{ background-color: rgb(100,  
102, 252) }
```

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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