

Converting Colors

CIELCh(51, 76.490, 297.606)

Have a look what the booklet for
CIELCh(51, 76.490, 297.606)
contains.

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Color

CIELCh(51, 76.841, 297.650)

Conversions

Conversions Part 1

Format	Color
Hex	636AEF
RGB	99, 106, 239
RGB Percent	39%, 42%, 94%
CMY	0.6106, 0.5835, 0.0617
CMYK	0.59, 0.56, 0.00, 0.06
HSL	237°, 82%, 66%
HSV	237°, 59%, 94%
XYZ	25.9706, 19.2686, 84.2106
YIQ	119.0690, -46.8650, 39.8790

Conversions

Conversions Part 2

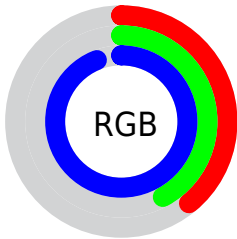
Format	Color
R _Y B	99, 106, 239
Decimal	6515439
CIE Lab	51.00, 35.66, -68.07
CIE LCh	51, 76.841, 297.650
Yxy	19.2686, 0.2006, 0.1489
Android (android.graphics.Color)	4284705519 (0xFF636AEF)
YUV	119.0690, 59.1260, -17.6005
Hunter-Lab	43.8960, 28.7896, -83.0154

Details

The CIELCh color `51, 76.841, 297.650` is a dark color, and the websafe version is hex `6666FF`. A complement of this color would be `90, 65.424, 102.280`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 53.920, 296.248`, and `31, 76.792, 297.614` is the 20% darker color. If you saturate the color by 10%, you get `44, 91.395, 300.043`, and if you desaturate by 10%, it is `58, 62.460, 295.421`.

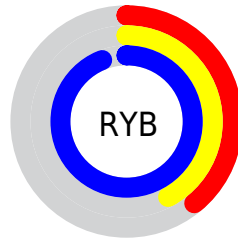
Distribution



Red (39%)

Green (42%)

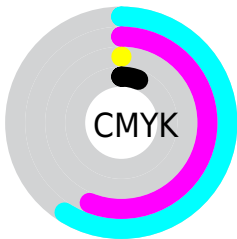
Blue (94%)



Red (39%)

Yellow (42%)

Blue (94%)

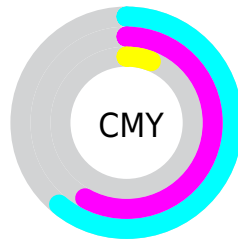


Cyan (59%)

Magenta (56%)

Yellow (0%)

Black (6%)



Cyan (61%)


Magenta (58%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 76.841, 297.650 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, 76.841, 297.650 by changing the saturation by 10% instead.


 51, 76.841,
297.650


 51, 76.841,
297.650


 100, 76.841,
297.650


 41, 76.841,
297.650


 71, 76.841,
297.650

 31, 76.841,
297.650

 81, 76.841,
297.650

 21, 76.841,
297.650

 91, 76.841,
297.650

 11, 76.841,
297.650

 1, 76.841, 297.650

 0, 76.841, 297.650

51, 76.841,
297.650

51, 76.841,
297.650

44, 91.395,
300.043

58, 62.460,
295.421

38, 105.326,
302.399

66, 48.557,
293.442

34, 117.100,
304.410

73, 35.208,
291.732

31, 124.779,
305.738

81, 22.401,
290.274

31, 125.515,
305.853

88, 10.101,
289.040

96, 1.733, 107.923

100, 7.969,
109.572

Harmonies

Complementary

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



51, 76.841, 297.650



90, 65.424, 102.280

Rectangle

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



51, 76.841, 297.650



51, 76.841, 347.650



51, 76.841, 117.650



51, 76.841, 167.650

Sweetspot

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



51, 76.841, 297.651



86, 22.929, 290.215



87, 40.030, 191.521



44, 16.025, 290.614



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, 76.841, 297.651



46, 98.534, 300.462



55, 80.753, 310.587



46, 6.772, 289.151



22, 102.307, 305.689



3, 36.505, 297.884

Inverse Universe

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



60, 59.503, 23.740



59, 75.901, 27.424



88, 72.978, 124.645



47, 4.997, 15.932



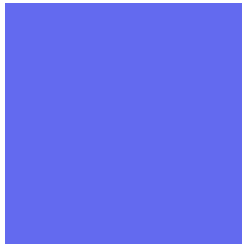
38, 79.587, 38.030



8, 29.578, 21.815

Previews

White Background



This preview shows how the CIELCh color 51, 76.841, 297.650 looks on a white background.

Color Contrast Check

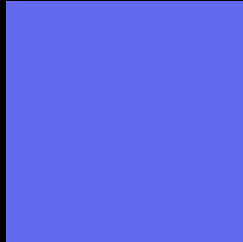
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 76.841, 297.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

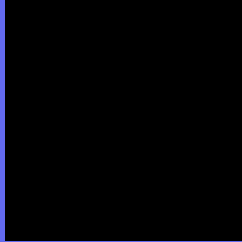
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 76.841, 297.650

Background



This preview shows how black text looks on a background with the CIELCh color 51, 76.841, 297.650.



This preview shows how white text looks on a background with the CIELCh color 51, 76.841, 297.650.

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, 23.083, 213.628

Trichromacy



Original Color
51, 76.841, 297.650



Protanomaly
50, 77.396, 289.947



Deuteranomaly
50, 62.424, 283.563



Tritanomaly
50, 34.150, 270.452

Monochromacy



Original Color
51, 76.841, 297.650



Achromatopsia
50, 0.007, 296.813



Achromatomaly
50, 28.728, 292.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 76.841, 297.650 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(99, 106, 239)` looks like.

```
.text, #text, p{  
    color:rgb(99, 106, 239)  
}
```

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(99, 106, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 106, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 76.841, 297.650 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(99, 106, 239) }
```

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

```
.border{ border-color:rgb(99, 106, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 106, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 106, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 106, 239);  
box-shadow:4px 4px 4px 4px rgb(99, 106,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 76.841, 297.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 106, 239) }
```

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

```
.background{ background-color: rgb(99, 106,  
239) }
```

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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