

Converting Colors

CIELCh(50, 87.820, 299.595)

Have a look what the booklet for
CIELCh(50, 87.820, 299.595)
contains.

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Color

CIELCh(50, 87.685, 299.626)

Conversions

Conversions Part 1

Format	Color
Hex	6163FB
RGB	97, 99, 251
RGB Percent	38%, 39%, 98%
CMY	0.6197, 0.6119, 0.0158
CMYK	0.61, 0.61, 0.00, 0.02
HSL	239°, 95%, 68%
HSV	239°, 61%, 98%
XYZ	26.7898, 18.4187, 93.3758
YIQ	115.7300, -49.9840, 46.8480

Conversions

Conversions Part 2

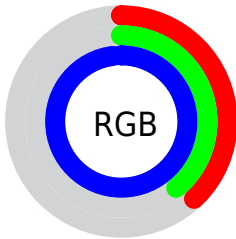
Format	Color
R _Y B	97, 99, 251
Decimal	6382587
CIE Lab	50.00, 43.35, -76.22
CIE LCh	50, 87.685, 299.626
Yxy	18.4187, 0.1933, 0.1329
Android (android.graphics.Color)	4284572667 (0xFF6163FB)
YUV	115.7300, 66.6881, -16.4262
Hunter-Lab	42.9170, 36.3192, -98.9573

Details

The CIELCh color **50, 87.685, 299.626** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **96, 72.916, 103.855**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 58.157, 298.879**, and **30, 87.436, 299.879** is the 20% darker color. If you saturate the color by 10%, you get **43, 103.082, 301.907**, and if you desaturate by 10%, it is **58, 72.067, 297.411**.

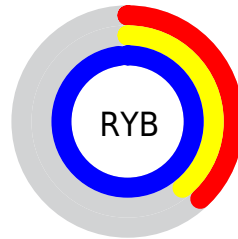
Distribution



Red (38%)

Green (39%)

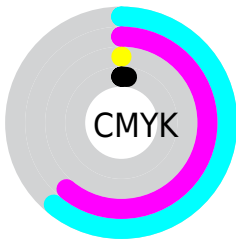
Blue (98%)



Red (38%)

Yellow (39%)

Blue (98%)

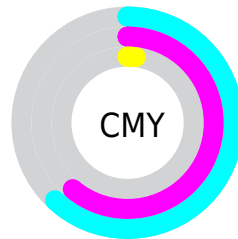


Cyan (61%)

Magenta (61%)

Yellow (0%)

Black (2%)



Cyan (62%)


Magenta (61%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 87.685, 299.626 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, 87.685, 299.626 by changing the saturation by 10% instead.

 50, 87.685,
299.626


 50, 87.685,
299.626

 100, 87.685,
299.626


 40, 87.685,
299.626

 70, 87.685,
299.626

 30, 87.685,
299.626


 80, 87.685,
299.626

 20, 87.685,
299.626

 90, 87.685,
299.626

 10, 87.685,
299.626

 0, 87.685, 299.626

 50, 87.685,
299.626

 50, 87.685,
299.626

43, 103.082,
301.907

58, 72.067,
297.411

37, 116.914,
303.982

65, 56.829,
295.401

34, 127.058,
305.498

73, 42.172,
293.647

32, 131.691,
306.180

81, 28.124,
292.147

90, 14.659,
290.876

98, 1.733, 289.840

100, 2.038,
109.988

Harmonies

Complementary

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



50, 87.685, 299.626



96, 72.916, 103.855

Rectangle

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



50, 87.685, 299.626



50, 87.685, 349.626



50, 87.685, 119.626



50, 87.685, 169.626

Sweetspot

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



50, 87.685, 299.627



85, 23.841, 291.697



91, 42.098, 194.975



43, 16.666, 292.087



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, 87.685, 299.627



42, 108.352, 302.502



56, 87.988, 311.690



48, 7.282, 290.662



23, 106.116, 306.135



3, 41.643, 300.605

Inverse Universe

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



62, 66.172, 27.154



58, 81.948, 31.287



91, 79.755, 125.796



49, 5.166, 18.890



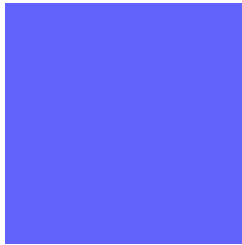
39, 82.795, 39.478



9, 32.099, 25.622

Previews

White Background



This preview shows how the CIELCh color 50, 87.685, 299.626 looks on a white background.

Color Contrast Check

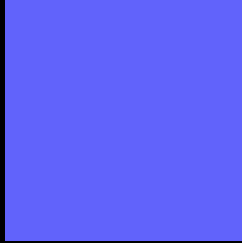
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.685, 299.626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

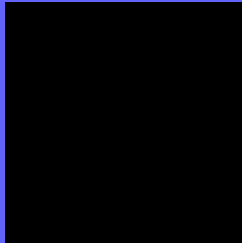
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 87.685, 299.626

Background



This preview shows how black text looks on a background with the CIELCh color 50, 87.685, 299.626.



This preview shows how white text looks on a background with the CIELCh color 50, 87.685, 299.626.

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, 87.685, 299.626

Protanopia
50, 74.804, 287.570

Deuteranopia
50, 53.305, 275.601



Tritanopia
50, 25.827, 210.249

Trichromacy



Original Color
50, 87.685, 299.626



Protanomaly
49, 79.263, 290.871



Deuteranomaly
49, 65.399, 285.722



Tritanomaly
49, 37.892, 271.220

Monochromacy



Original Color
50, 87.685, 299.626



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 32.398, 293.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 87.685, 299.626 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(97, 99, 251)` looks like.

```
.text, #text, p{  
    color:rgb(97, 99, 251)  
}
```

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(97, 99, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 99, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 87.685, 299.626 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(97, 99, 251) }
```

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

```
.border{ border-color:rgb(97, 99, 251) }
```

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

Here you see how a box with a 4 pixel rgb(97, 99, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 99, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 99, 251);  
box-shadow:4px 4px 4px 4px rgb(97, 99,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 87.685, 299.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 99, 251) }
```

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

```
.background{ background-color: rgb(97, 99,  
251) }
```

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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