

Converting Colors

CIELCh(51, 87.868, 298.677)

Have a look what the booklet for
CIELCh(51, 87.868, 298.677)
contains.

CIELCh(51, 87.432, 298.572)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	25

Color

CIELCh(51, 87.432, 298.572)

Conversions

Conversions Part 1

Format	Color
Hex	5E67FF
RGB	94, 103, 255
RGB Percent	37%, 40%, 100%
CMY	0.6318, 0.5964, 0.0004
CMYK	0.63, 0.60, 0.00, 0.00
HSL	237°, 100%, 68%
HSV	237°, 63%, 100%
XYZ	27.4771, 19.2686, 96.7872
YIQ	117.6370, -54.1560, 45.3640

Conversions

Conversions Part 2

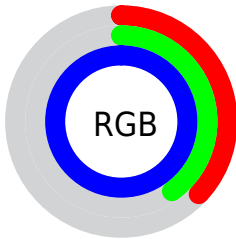
Format	Color
R _Y B	94, 103, 255
Decimal	6187007
CIE Lab	51.00, 41.82, -76.78
CIE LCh	51, 87.432, 298.572
Yxy	19.2686, 0.1914, 0.1342
Android (android.graphics.Color)	4284377087 (0xFF5E67FF)
YUV	117.6370, 67.7200, -20.7296
Hunter-Lab	43.8960, 34.9155, -100.0025

Details

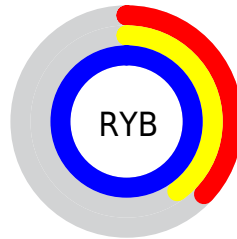
The CIELCh color **51, 87.432, 298.572** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted azure. A complement of this color would be **95, 73.046, 101.504**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 55.718, 297.003**, and **31, 87.100, 299.256** is the 20% darker color. If you saturate the color by 10%, you get **44, 102.519, 301.013**, and if you desaturate by 10%, it is **58, 72.244, 296.224**.

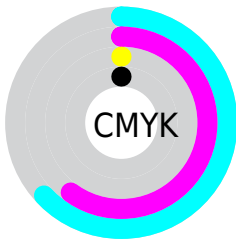
Distribution



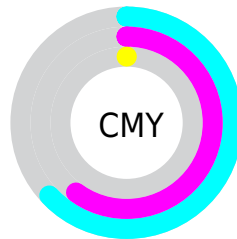
- Red (37%)
- Green (40%)
- Blue (100%)



- Red (37%)
- Yellow (40%)
- Blue (100%)



- Cyan (63%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (63%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 87.432, 298.572 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, 87.432, 298.572 by changing the saturation by 10% instead.


 51, 87.432,
298.572


 51, 87.432,
298.572


 100, 87.432,
298.572


 41, 87.432,
298.572


 71, 87.432,
298.572

 31, 87.432,
298.572

 81, 87.432,
298.572

 21, 87.432,
298.572

 91, 87.432,
298.572

 11, 87.432,
298.572

 1, 87.432, 298.572

 0, 87.432, 298.572

■ 51, 87.432,
298.572

■ 51, 87.432,
298.572

■ 44, 102.519,
301.013

■ 58, 72.244,
296.224

■ 39, 116.345,
303.291

■ 66, 57.460,
294.101

■ 35, 127.003,
305.067

■ 74, 43.238,
292.248

■ 33, 131.521,
305.820

■ 82, 29.594,
290.662

■ 90, 16.495,
289.315

■ 97, 3.902, 288.190

■ 100, 0.043,
108.386

Harmonies

Complementary

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



51, 87.432, 298.572



95, 73.046, 101.504

Rectangle

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



51, 87.432, 298.572



51, 87.432, 348.572



51, 87.432, 118.572



51, 87.432, 168.572

Sweetspot

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



51, 87.432, 298.573



85, 24.080, 290.073



92, 44.605, 189.435



43, 16.666, 290.473



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, 87.432, 298.573



43, 106.671, 301.689



55, 91.638, 310.376



49, 7.077, 288.876



24, 105.289, 305.642



4, 42.348, 300.800

Inverse Universe

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



62, 67.908, 24.692



57, 82.173, 29.231



93, 81.637, 123.917



50, 5.261, 15.410



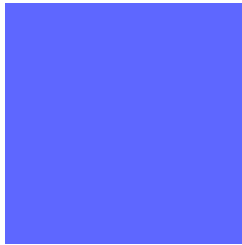
40, 81.891, 37.886



10, 32.918, 24.923

Previews

White Background



This preview shows how the CIE LCh color 51, 87.432, 298.572 looks on a white background.

Color Contrast Check

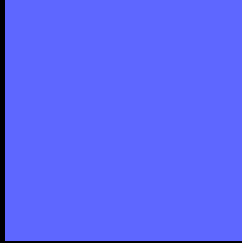
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.432, 298.572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

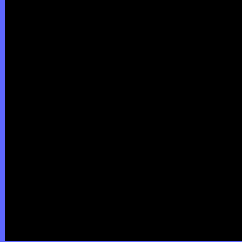
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 87.432, 298.572

Background



This preview shows how black text looks on a background with the CIELCh color 51, 87.432, 298.572.



This preview shows how white text looks on a background with the CIELCh color 51, 87.432, 298.572.

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



Trichromacy



Original Color
51, 87.432, 298.572

Protanomaly
50, 80.738, 290.892

Tritanomaly
50, 39.073, 268.293

Monochromacy



Original Color
51, 87.432, 298.572

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 32.265, 291.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 87.432, 298.572 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(94, 103, 255)` looks like.

```
.text, #text, p{  
  color:rgb(94, 103, 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(94, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 103, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 87.432, 298.572 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(94, 103, 255) }
```

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

```
.border{ border-color:rgb(94, 103, 255) }
```

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

Here you see how a box with a 4 pixel rgb(94, 103, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 103, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 103, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 103,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 87.432, 298.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 103, 255) }
```

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

```
.background{ background-color: rgb(94, 103,  
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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