

Converting Colors

CIELCh(44, 81.059, 299.452)

Have a look what the booklet for
CIELCh(44, 81.059, 299.452)
contains.

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Color

CIELCh(44, 80.924, 299.446)

Conversions

Conversions Part 1

Format	Color
Hex	5256DF
RGB	82, 86, 223
RGB Percent	32%, 34%, 87%
CMY	0.6772, 0.6619, 0.1245
CMYK	0.63, 0.61, 0.00, 0.12
HSL	238°, 69%, 60%
HSV	238°, 63%, 88%
XYZ	20.2041, 13.8382, 71.5990
YIQ	100.4220, -46.3610, 41.7590

Conversions

Conversions Part 2

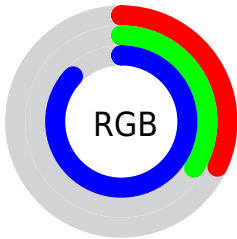
Format	Color
R_{YB}	82, 86, 223
Decimal	5396191
CIE _{Lab}	44.00, 39.78, -70.47
CIE _{LCh}	44, 80.924, 299.446
Yxy	13.8382, 0.1913, 0.1310
Android (android.graphics.Color)	4283586271 (0xFF5256DF)
YUV	100.4220, 60.4310, -16.1561
Hunter-Lab	37.1997, 31.8481, -88.0768

Details

The CIELCh color **44, 80.924, 299.446** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **86, 67.164, 103.017**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 66.617, 298.914**, and **25, 80.836, 300.800** is the 20% darker color. If you saturate the color by 10%, you get **38, 94.731, 301.762**, and if you desaturate by 10%, it is **51, 66.898, 297.190**.

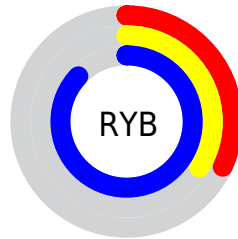
Distribution



Red (32%)

Green (34%)

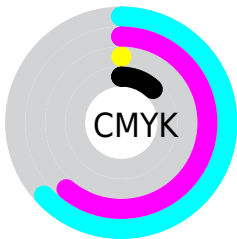
Blue (87%)



Red (32%)

Yellow (34%)

Blue (87%)

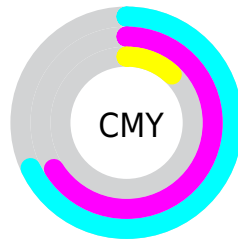


Cyan (63%)

Magenta (61%)

Yellow (0%)

Black (12%)



Cyan (68%)


Magenta (66%)

Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 80.924, 299.446 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 44, 80.924, 299.446 by changing the saturation by 10% instead.

 44, 80.924,
299.446

 44, 80.924,
299.446


 100, 80.924,
299.446

 34, 80.924,
299.446

 64, 80.924,
299.446


 24, 80.924,
299.446

 74, 80.924,
299.446

 14, 80.924,
299.446

 84, 80.924,
299.446

 4, 80.924, 299.446

 94, 80.924,
299.446

 0, 80.924, 299.446

 44, 80.924,

 44, 80.924,

299.446

299.446

■ 38, 94.731,
301.762

■ 51, 66.898,
297.190

■ 33, 107.124,
303.869

■ 58, 53.198,
295.136

■ 29, 116.240,
305.423

■ 65, 40.008,
293.338

■ 28, 119.869,
306.024

■ 72, 27.359,
291.795

■ 79, 15.225,
290.486

■ 87, 3.571, 289.390

■ 94, 7.641, 108.411

■ 99, 16.058,
108.964

Harmonies

Complementary

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



44, 80.924, 299.446



86, 67.164, 103.017

Rectangle

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



44, 80.924, 299.446



44, 80.924, 349.446



44, 80.924, 119.446



44, 80.924, 169.446

Sweetspot

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



44, 80.924, 299.447



85, 24.825, 291.246



82, 39.381, 193.074



43, 17.186, 291.639



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 80.924, 299.447



42, 109.708, 302.525



49, 82.259, 311.278



43, 6.563, 290.056



21, 100.007, 305.933



2, 31.023, 295.273

Inverse Universe

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



55, 61.649, 26.535



57, 83.487, 31.090



82, 74.040, 125.167



44, 4.727, 17.689



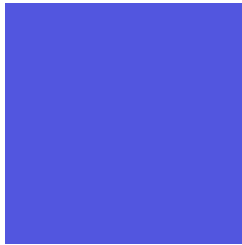
36, 77.902, 38.811



6, 25.474, 19.776

Previews

White Background



This preview shows how the CIELCh color 44, 80.924, 299.446 looks on a white background.

Color Contrast Check

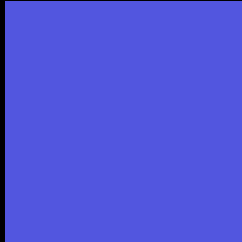
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 44, 80.924, 299.446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

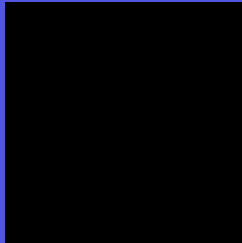
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 80.924, 299.446

Background



This preview shows how black text looks on a background with the CIELCh color 44, 80.924, 299.446.



This preview shows how white text looks on a background with the CIELCh color 44, 80.924, 299.446.

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
44, 80.924, 299.446

Deuteranomaly
43, 59.135, 285.569

Tritanomaly
43, 35.955, 269.792

Monochromacy



Original Color
44, 80.924, 299.446

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 29.564, 293.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 80.924, 299.446 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(82, 86, 223)` looks like.

```
.text, #text, p{  
    color:rgb(82, 86, 223)  
}
```

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(82, 86, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 86, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 80.924, 299.446 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(82, 86, 223) }
```

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

```
.border{ border-color:rgb(82, 86, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 86, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 86, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 86, 223);  
box-shadow:4px 4px 4px 4px rgb(82, 86,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 80.924, 299.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 86, 223) }
```

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

```
.background{ background-color: rgb(82, 86,  
223) }
```

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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