

Converting Colors

CIELCh(42, 80.765, 301.829)

Have a look what the booklet for
CIELCh(42, 80.765, 301.829)
contains.

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Color

CIELCh(42, 80.835, 301.923)

Conversions

Conversions Part 1

Format	Color
Hex	594ED6
RGB	89, 78, 214
RGB Percent	35%, 31%, 84%
CMY	0.6496, 0.6931, 0.1595
CMYK	0.58, 0.63, 0.00, 0.16
HSL	245°, 63%, 57%
HSV	245°, 63%, 84%
XYZ	19.0762, 12.5000, 65.2403
YIQ	96.7930, -37.1000, 44.6280

Conversions

Conversions Part 2

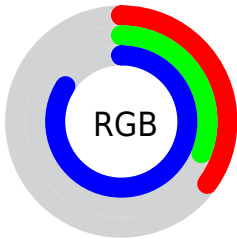
Format	Color
R _Y B	89, 78, 214
Decimal	5852886
CIE Lab	42.00, 42.74, -68.61
CIE LCh	42, 80.835, 301.923
Yxy	12.5000, 0.1970, 0.1291
Android (android.graphics.Color)	4284042966 (0xFF594ED6)
YUV	96.7930, 57.7831, -6.8345
Hunter-Lab	35.3553, 34.4390, -84.6576

Details

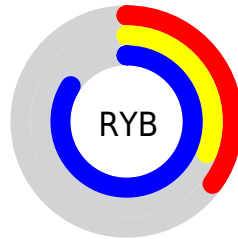
The CIELCh color **42, 80.835, 301.923** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **83, 66.927, 108.392**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 71.545, 302.048**, and **22, 80.764, 302.038** is the 20% darker color. If you saturate the color by 10%, you get **36, 94.107, 303.685**, and if you desaturate by 10%, it is **48, 67.093, 300.146**.

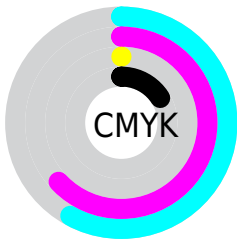
Distribution



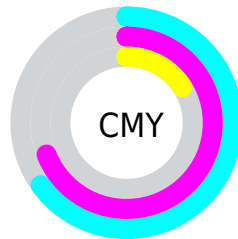
- Red (35%)
- Green (31%)
- Blue (84%)



- Red (35%)
- Yellow (31%)
- Blue (84%)



- Cyan (58%)
- Magenta (63%)
- Yellow (0%)
- Black (16%)





- Cyan (65%)
- Magenta (69%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 80.835, 301.923 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 42, 80.835, 301.923 by changing the saturation by 10% instead.


 42, 80.835,
301.923


 42, 80.835,
301.923


 100, 80.835,
301.923


 32, 80.835,
301.923

 62, 80.835,
301.923


 22, 80.835,
301.923

 72, 80.835,
301.923

 12, 80.835,
301.923

 82, 80.835,
301.923

 2, 80.835, 301.923

 92, 80.835,
301.923

 0, 80.835, 301.923

 42, 80.835,

 42, 80.835,

301.923

■ 36, 94.107,
303.685

■ 31, 105.657,
305.192

■ 28, 113.705,
306.147

■ 27, 116.949,
306.506

301.923

■ 48, 67.093,
300.146

■ 55, 53.520,
298.490

■ 62, 40.374,
297.014


■ 69, 27.735,
295.729

■ 76, 15.604,
294.626

■ 83, 3.957, 293.688

■ 90, 7.239, 112.869

■ 97, 18.015,
112.184

 99, 20.558,
108.621

Harmonies

Complementary

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



42, 80.835, 301.923



83, 66.927, 108.392

Rectangle

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



42, 80.835, 301.923



42, 80.835, 351.923



42, 80.835, 121.923



42, 80.835, 171.923

Sweetspot

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



42, 80.835, 301.924



85, 25.615, 295.234



76, 35.058, 205.078



43, 17.733, 295.564



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 80.835, 301.924



41, 111.912, 304.221



49, 80.032, 314.162



41, 6.515, 294.225



20, 98.684, 306.560



2, 27.661, 296.077

Inverse Universe

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



56, 77.809, 330.249



62, 100.164, 330.863



79, 74.062, 128.612



42, 7.422, 327.233



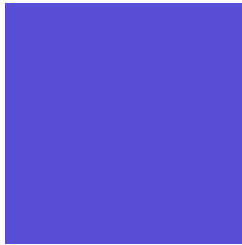
40, 80.330, 331.747



6, 31.052, 330.869

Previews

White Background



This preview shows how the CIELCh color 42, 80.835, 301.923 looks on a white background.

Color Contrast Check

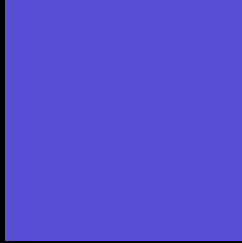
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 80.835, 301.923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

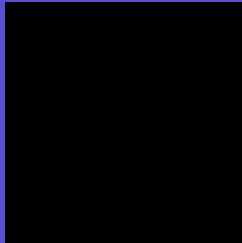
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 80.835, 301.923

Background



This preview shows how black text looks on a background with the CIELCh color 42, 80.835, 301.923.



This preview shows how white text looks on a background with the CIELCh color 42, 80.835, 301.923.

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


42, 80.835, 301.923

Protanopia

42, 64.668, 287.134

Deuteranopia

42, 45.858, 274.724



Tritanopia
42, 19.560, 213.682

Trichromacy



Original Color
42, 80.835, 301.923

Protanomaly
41, 70.460, 291.700

Deuteranomaly
41, 58.344, 286.752

Tritanomaly
41, 34.160, 278.465

Monochromacy



Original Color
42, 80.835, 301.923

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 30.507, 297.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 80.835, 301.923 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(89, 78, 214)` looks like.

```
.text, #text, p{  
    color:rgb(89, 78, 214)  
}
```

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(89, 78, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 78, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 80.835, 301.923 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(89, 78, 214) }
```

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

```
.border{ border-color:rgb(89, 78, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 78, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 78, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 78, 214);  
box-shadow:4px 4px 4px 4px rgb(89, 78,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 80.835, 301.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 78, 214) }
```

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

```
.background{ background-color: rgb(89, 78,  
214) }
```

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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