

Converting Colors

CIELCh(42, 84.771, 303.356)

Have a look what the booklet for
CIELCh(42, 84.771, 303.356)
contains.

CIELCh(42, 84.684, 303.314)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 84.684, 303.314)

Conversions

Conversions Part 1

Format	Color
Hex	5E4BDA
RGB	94, 75, 218
RGB Percent	37%, 29%, 85%
CMY	0.6309, 0.7055, 0.1446
CMYK	0.57, 0.66, 0.00, 0.14
HSL	248°, 66%, 57%
HSV	248°, 66%, 86%
XYZ	19.8221, 12.5000, 67.7783
YIQ	96.9830, -34.5790, 48.5010

Conversions

Conversions Part 2

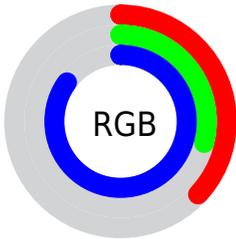
Format	Color
R _Y B	94, 75, 218
Decimal	6179802
CIE Lab	42.00, 46.51, -70.77
CIE LCh	42, 84.684, 303.314
Yxy	12.5000, 0.1980, 0.1249
Android (android.graphics.Color)	4284369882 (0xFF5E4BDA)
YUV	96.9830, 59.6614, -2.6161
Hunter-Lab	35.3553, 38.2048, -88.9137

Details

The CIELCh color **42, 84.684, 303.314** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **83, 69.962, 110.791**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 73.420, 303.784**, and **22, 84.806, 303.344** is the 20% darker color. If you saturate the color by 10%, you get **36, 97.713, 304.791**, and if you desaturate by 10%, it is **48, 70.922, 301.764**.

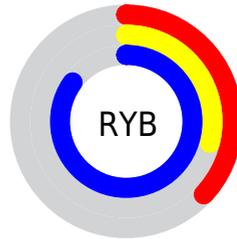
Distribution



Red (37%)

Green (29%)

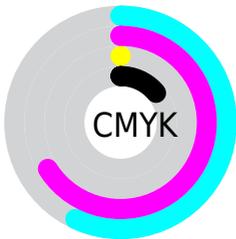
Blue (85%)



Red (37%)

Yellow (29%)

Blue (85%)

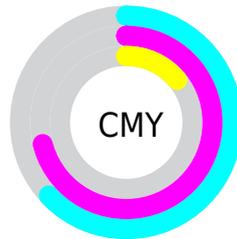


Cyan (57%)

Magenta (66%)

Yellow (0%)

Black (14%)



Cyan (63%)

Magenta (71%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 84.684, 303.314 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, 84.684, 303.314 by changing the saturation by 10% instead.

 42, 84.684,
303.314

 42, 84.684,
303.314

 100, 84.684,
303.314

 32, 84.684,
303.314

 62, 84.684,
303.314

 22, 84.684,
303.314

 72, 84.684,
303.314

 12, 84.684,
303.314

 82, 84.684,
303.314

 2, 84.684, 303.314

 92, 84.684,
303.314

 0, 84.684, 303.314

 42, 84.684,

 42, 84.684,

303.314

303.314

■ 36, 97.713,
304.791

■ 48, 70.922,
301.764

■ 32, 108.674,
305.962

■ 55, 57.171,
300.282

■ 29, 115.869,
306.567

■ 62, 43.769,
298.937

■ 28, 118.076,
306.733

■ 69, 30.838,
297.752

■ 76, 18.407,
296.723

■ 83, 6.462, 295.839

■ 90, 5.022, 115.075

■ 97, 16.077,
114.427

 99, 18.647,
108.767

Harmonies

Complementary

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



42, 84.684, 303.314



83, 69.962, 110.791

Rectangle

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



42, 84.684, 303.314



42, 84.684, 353.314



42, 84.684, 123.314



42, 84.684, 173.314

Sweetspot

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



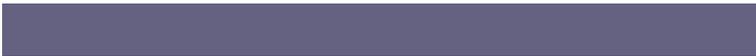
42, 84.684, 303.315



84, 27.085, 297.178



75, 34.677, 212.323



43, 18.584, 297.474



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, 84.684, 303.315



40, 115.427, 305.327



49, 83.607, 315.692



42, 6.661, 296.165



21, 99.382, 306.809



2, 29.790, 298.180

Inverse Universe

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



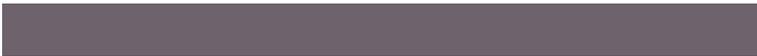
56, 78.018, 332.279



61, 98.483, 333.131



79, 78.308, 130.126



43, 7.300, 328.830



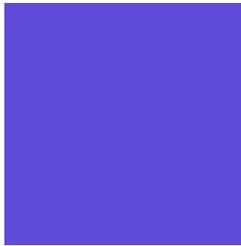
40, 78.020, 334.319



7, 31.475, 333.075

Previews

White Background



This preview shows how the CIELCh color 42, 84.684, 303.314 looks on a white background.

Color Contrast Check

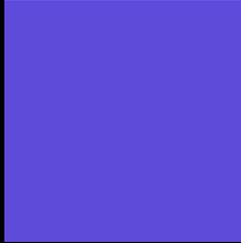
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 42, 84.684, 303.314 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, 84.684, 303.314

Background



This preview shows how black text looks on a background with the CIELCh color 42, 84.684, 303.314.



This preview shows how white text looks on a background with the CIELCh color 42, 84.684, 303.314.

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, 84.684, 303.314

Protanopia

42, 64.112, 286.911

Deuteranopia

42, 45.858, 274.724



Tritanopia
42, 18.149, 213.087

Trichromacy



Original Color
42, 84.684, 303.314

Protanomaly
41, 71.639, 292.348

Deuteranomaly
41, 59.505, 287.650

Tritanomaly
41, 35.009, 282.622

Monochromacy



Original Color
42, 84.684, 303.314

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 31.813, 299.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 84.684, 303.314 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, 75, 218)` looks like.

```
.text, #text, p{  
    color:rgb(94, 75, 218)  
}
```

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, 75, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 75, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 84.684, 303.314 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, 75, 218) }
```

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

```
.border{ border-color:rgb(94, 75, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 75, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 75, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 75, 218);  
box-shadow:4px 4px 4px 4px rgb(94, 75,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 84.684, 303.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 75, 218) }
```

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

```
.background{ background-color: rgb(94, 75,  
218) }
```

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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