

Converting Colors

CIELCh(42, 109.077, 303.953)

Have a look what the booklet for
CIELCh(42, 109.077, 303.953)
contains.

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Color

CIELCh(42, 108.850, 303.916)

Conversions

Conversions Part 1

Format	Color
Hex	5041FD
RGB	80, 65, 253
RGB Percent	31%, 25%, 99%
CMY	0.6881, 0.7463, 0.0092
CMYK	0.69, 0.74, 0.00, 0.01
HSL	245°, 98%, 62%
HSV	245°, 74%, 99%
XYZ	22.8140, 12.5000, 93.8407
YIQ	90.9170, -51.4080, 61.6480

Conversions

Conversions Part 2

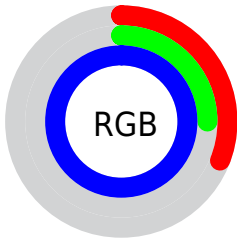
Format	Color
R_{YB}	80, 65, 253
Decimal	5259773
CIE _{Lab}	42.00, 60.74, -90.33
CIE _{LCh}	42, 108.850, 303.916
Yxy	12.5000, 0.1766, 0.0968
Android (android.graphics.Color)	4283449853 (0xFF5041FD)
YUV	90.9170, 79.9069, -9.5742
Hunter-Lab	35.3553, 53.3104, -132.6196

Details

The CIELCh color **42, 108.850, 303.916** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed blue. A complement of this color would be **95, 85.767, 107.742**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 78.870, 304.563**, and **24, 106.376, 305.525** is the 20% darker color. If you saturate the color by 10%, you get **37, 121.537, 305.378**, and if you desaturate by 10%, it is **49, 93.868, 302.148**.

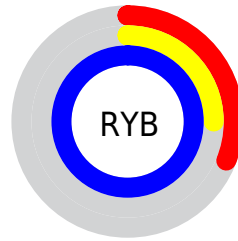
Distribution



Red (31%)

Green (25%)

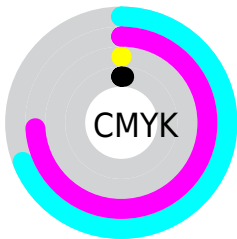
Blue (99%)



Red (31%)

Yellow (25%)

Blue (99%)

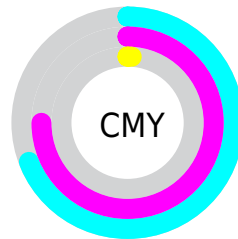


Cyan (69%)

Magenta (74%)

Yellow (0%)

Black (1%)



Cyan (69%)


Magenta (75%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 108.850, 303.916 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, 108.850, 303.916 by changing the saturation by 10% instead.


 42, 108.850,
303.916


 42, 108.850,
303.916


 100, 108.850,
303.916


 32, 108.850,
303.916


 62, 108.850,
303.916


 22, 108.850,
303.916


 72, 108.850,
303.916

 12, 108.850,
303.916


 82, 108.850,
303.916

 2, 108.850,
303.916

 92, 108.850,
303.916

 0, 108.850,
303.916

 42, 108.850,

 42, 108.850,

303.916

303.916

■ 37, 121.537,
305.378

■ 49, 93.868,
302.148

■ 33, 129.835,
306.230

■ 56, 78.176,
300.332

■ 32, 132.484,
306.468

■ 64, 62.609,
298.628

■ 72, 47.515,
297.104

■ 80, 33.001,
295.777

■ 88, 19.076,
294.638

■ 96, 5.713, 293.671

100, 1.184,
110.024

Harmonies

Complementary

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



42, 108.850, 303.916



95, 85.767, 107.742

Rectangle

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



42, 108.850, 303.916



42, 108.850, 353.916



42, 108.850, 123.916



42, 108.850, 173.916

Sweetspot

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



42, 108.851, 303.917



82, 29.841, 295.489



87, 43.024, 205.654



41, 20.164, 295.818



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, 108.851, 303.917



35, 126.948, 305.865



51, 104.597, 314.354



49, 7.519, 294.145



23, 107.370, 306.521



4, 44.314, 303.321

Inverse Universe

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



62, 98.477, 330.691



60, 106.717, 331.297



90, 95.664, 128.554



50, 8.581, 327.167



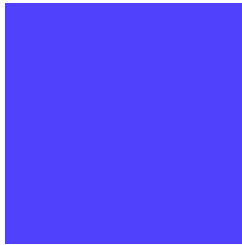
45, 87.479, 331.656



12, 40.546, 331.212

Previews

White Background



This preview shows how the CIELCh color 42, 108.850, 303.916 looks on a white background.

Color Contrast Check

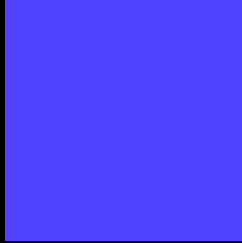
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.850, 303.916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

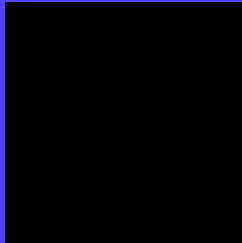
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 108.850, 303.916

Background



This preview shows how black text looks on a background with the CIELCh color 42, 108.850, 303.916.



This preview shows how white text looks on a background with the CIELCh color 42, 108.850,

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, 108.850, 303.916

Protanopia

42, 63.000, 286.452

Deuteranopia

42, 43.785, 272.815



Tritanopia
42, 25.971, 206.113

Trichromacy



Original Color
42, 108.850, 303.916

Protanomaly
41, 80.945, 294.879

Deuteranomaly
40, 67.771, 290.891

Tritanomaly
39, 45.527, 279.431

Monochromacy



Original Color
42, 108.850, 303.916

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 42.454, 298.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 108.850, 303.916 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(80, 65, 253)` looks like.

```
.text, #text, p{  
    color:rgb(80, 65, 253)  
}
```

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(80, 65, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 65, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 108.850, 303.916 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(80, 65, 253) }
```

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

```
.border{ border-color:rgb(80, 65, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 65, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 65, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 65, 253);  
box-shadow:4px 4px 4px 4px rgb(80, 65,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 108.850, 303.916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 65, 253) }
```

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

```
.background{ background-color: rgb(80, 65,  
253) }
```

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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