

Converting Colors

CIELCh(42, 91.272, 305.523)

Have a look what the booklet for
CIELCh(42, 91.272, 305.523)
contains.

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Color

CIELCh(42, 91.038, 305.581)

Conversions

Conversions Part 1

Format	Color
Hex	6745E0
RGB	103, 69, 224
RGB Percent	40%, 27%, 88%
CMY	0.5965, 0.7297, 0.1219
CMYK	0.54, 0.69, 0.00, 0.12
HSL	253°, 71%, 57%
HSV	253°, 69%, 88%
XYZ	21.1461, 12.5000, 71.7500
YIQ	96.8360, -29.4910, 55.4130

Conversions

Conversions Part 2

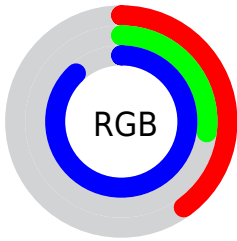
Format	Color
R _{YB}	103, 69, 224
Decimal	6768096
CIE Lab	42.00, 52.97, -74.04
CIE LCh	42, 91.038, 305.581
Yxy	12.5000, 0.2006, 0.1186
Android (android.graphics.Color)	4284958176 (0xFF6745E0)
YUV	96.8360, 62.6919, 5.4058
Hunter-Lab	35.3553, 44.8894, -95.5742

Details

The CIELCh color **42, 91.038, 305.581** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **84, 75.397, 114.775**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 76.564, 306.662**, and **22, 90.687, 305.504** is the 20% darker color. If you saturate the color by 10%, you get **37, 103.345, 306.587**, and if you desaturate by 10%, it is **48, 77.477, 304.408**.

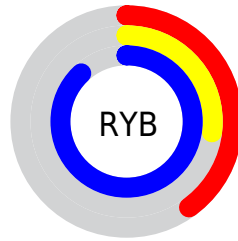
Distribution



Red (40%)

Green (27%)

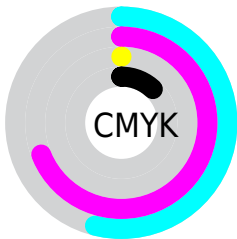
Blue (88%)



Red (40%)

Yellow (27%)

Blue (88%)

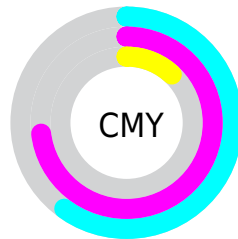


Cyan (54%)

Magenta (69%)

Yellow (0%)

Black (12%)



Cyan (60%)


Magenta (73%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 91.038, 305.581 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, 91.038, 305.581 by changing the saturation by 10% instead.


 42, 91.038,
305.581


 42, 91.038,
305.581


 100, 91.038,
305.581


 32, 91.038,
305.581

 62, 91.038,
305.581


 22, 91.038,
305.581

 72, 91.038,
305.581

 12, 91.038,
305.581

 82, 91.038,
305.581

 2, 91.038, 305.581

 92, 91.038,
305.581

 0, 91.038, 305.581

 42, 91.038,

 42, 91.038,

305.581

305.581

■ 37, 103.345,
306.587

■ 48, 77.477,
304.408

■ 32, 112.996,
307.211

■ 55, 63.579,
303.215

■ 30, 118.922,
307.330

■ 62, 49.830,
302.088

■ 29, 119.322,
307.341

■ 69, 36.452,
301.066

■ 76, 23.529,
300.160

■ 83, 11.079,
299.369

■ 90, 0.907, 118.708

■ 97, 12.452,
118.096

■ 99, 15.731,
108.989

Harmonies

Complementary

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



42, 91.038, 305.581



84, 75.397, 114.775

Rectangle

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



42, 91.038, 305.581



42, 91.038, 355.581



42, 91.038, 125.581



42, 91.038, 175.581

Sweetspot

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



42, 91.038, 305.582



84, 28.671, 300.326



72, 35.092, 229.209



42, 19.508, 300.572



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, 91.038, 305.582



40, 119.144, 306.921



51, 89.364, 318.759



43, 6.838, 299.385



22, 99.495, 307.455



3, 32.059, 301.108

Inverse Universe

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



56, 77.989, 336.231



60, 94.634, 337.605



80, 85.964, 132.784



44, 7.000, 331.781



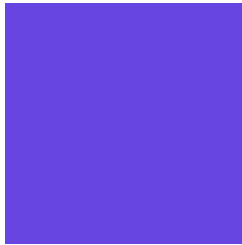
40, 73.905, 339.306



7, 30.974, 337.131

Previews

White Background



This preview shows how the CIELCh color 42, 91.038, 305.581 looks on a white background.

Color Contrast Check

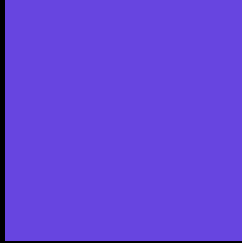
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.038, 305.581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

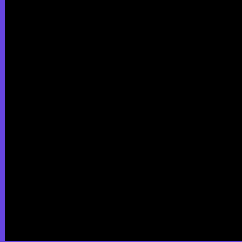
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 91.038, 305.581

Background



This preview shows how black text looks on a background with the CIELCh color 42, 91.038, 305.581.



This preview shows how white text looks on a background with the CIELCh color 42, 91.038, 305.581.

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, 91.038, 305.581

Protanopia

42, 64.112, 286.911

Deuteranopia

42, 45.337, 274.263



Tritanopia
42, 14.759, 217.174

Trichromacy



Original Color
42, 91.038, 305.581

Protanomaly
41, 74.009, 293.522

Deuteranomaly
40, 62.497, 289.701

Tritanomaly
41, 37.085, 289.421

Monochromacy



Original Color
42, 91.038, 305.581

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 34.440, 301.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 91.038, 305.581 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(103, 69, 224)` looks like.

```
.text, #text, p{  
    color:rgb(103, 69, 224)  
}
```

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(103, 69, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 69, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 91.038, 305.581 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(103, 69, 224) }
```

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

```
.border{ border-color:rgb(103, 69, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 69, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 69, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 69, 224); box-shadow:4px 4px 4px 4px rgb(103, 69, 224) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 91.038, 305.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 69, 224) }
```

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

```
.background{ background-color: rgb(103, 69,  
224) }
```

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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