

Converting Colors

CIELCh(42, 94.777, 307.196)

Have a look what the booklet for
CIELCh(42, 94.777, 307.196)
contains.

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Color

CIELCh(42, 95.012, 307.173)

Conversions

Conversions Part 1

Format	Color
Hex	6E40E3
RGB	110, 64, 227
RGB Percent	43%, 25%, 89%
CMY	0.5691, 0.7495, 0.1103
CMYK	0.52, 0.72, 0.00, 0.11
HSL	257°, 74%, 57%
HSV	257°, 72%, 89%
XYZ	22.0890, 12.5000, 73.8307
YIQ	96.3360, -24.9070, 60.4450

Conversions

Conversions Part 2

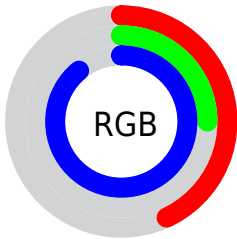
Format	Color
R _{YB}	110, 64, 227
Decimal	7225571
CIE Lab	42.00, 57.41, -75.71
CIE LCh	42, 95.012, 307.173
Yxy	12.5000, 0.2037, 0.1153
Android (android.graphics.Color)	4285415651 (0xFF6E40E3)
YUV	96.3360, 64.4174, 11.9833
Hunter-Lab	35.3553, 49.6498, -99.0635

Details

The CIELCh color **42, 95.012, 307.173** 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 **85, 79.282, 117.622**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 79.069, 308.787**, and **22, 94.896, 307.216** is the 20% darker color. If you saturate the color by 10%, you get **37, 106.530, 307.850**, and if you desaturate by 10%, it is **48, 81.838, 306.268**.

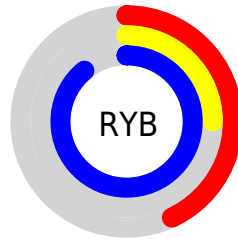
Distribution



Red (43%)

Green (25%)

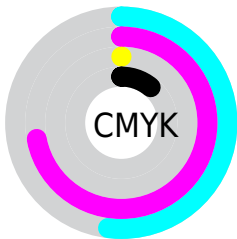
Blue (89%)



Red (43%)

Yellow (25%)

Blue (89%)

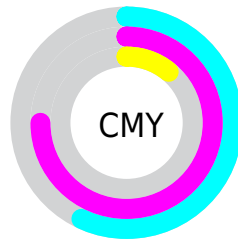


Cyan (52%)

Magenta (72%)

Yellow (0%)

Black (11%)



Cyan (57%)


Magenta (75%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 95.012, 307.173 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, 95.012, 307.173 by changing the saturation by 10% instead.


 42, 95.012,
307.173


 42, 95.012,
307.173


 100, 95.012,
307.173


 32, 95.012,
307.173

 62, 95.012,
307.173


 22, 95.012,
307.173

 72, 95.012,
307.173

 12, 95.012,
307.173

 82, 95.012,
307.173

 2, 95.012, 307.173

 92, 95.012,
307.173

 0, 95.012, 307.173

 42, 95.012,

 42, 95.012,

307.173

307.173

■ 37, 106.530,
307.850

■ 48, 81.838,
306.268

■ 33, 115.034,
308.103

■ 54, 68.019,
305.283

■ 31, 119.417,
307.988

■ 61, 54.151,
304.314

■ 68, 40.539,
303.409

■ 75, 27.321,
302.592

■ 82, 14.549,
301.867

■ 89, 2.228, 301.215

■ 96, 9.651, 120.690

■ 99, 14.231,
109.102

Harmonies

Complementary

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



42, 95.012, 307.173



85, 79.282, 117.622

Rectangle

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



42, 95.012, 307.173



42, 95.012, 357.173



42, 95.012, 127.173



42, 95.012, 177.173

Sweetspot

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



42, 95.012, 307.174



83, 30.275, 302.615



70, 36.677, 238.620



42, 20.441, 302.830



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, 95.012, 307.174



40, 121.252, 308.033



52, 92.870, 320.318



43, 6.886, 301.706



23, 98.561, 308.133



3, 32.253, 302.776

Inverse Universe

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



55, 77.406, 339.622



58, 91.740, 341.578



81, 90.577, 133.880



44, 6.693, 334.177



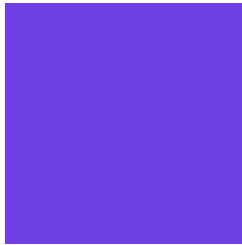
39, 70.744, 343.517



7, 29.718, 340.412

Previews

White Background



This preview shows how the CIELCh color 42, 95.012, 307.173 looks on a white background.

Color Contrast Check

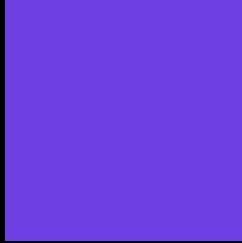
Large Text (above 18pt) WCAG AA ✓ Pass

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, 95.012, 307.173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

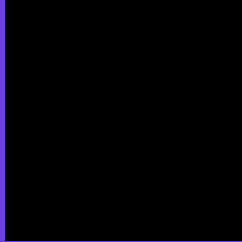
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 95.012, 307.173

Background



This preview shows how black text looks on a background with the CIELCh color 42, 95.012, 307.173.



This preview shows how white text looks on a background with the CIELCh color 42, 95.012, 307.173.

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, 95.012, 307.173

Protanopia
42, 64.112, 286.911

Deuteranopia
42, 44.810, 273.498



Tritanopia
42, 11.482, 226.837

Trichromacy



Original Color
42, 95.012, 307.173

Protanomaly
40, 75.817, 294.513

Deuteranomaly
40, 63.659, 290.607

Tritanomaly
40, 39.496, 295.343

Monochromacy



Original Color
42, 95.012, 307.173

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 37.155, 304.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 95.012, 307.173 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(110, 64, 227)` looks like.

```
.text, #text, p{  
    color:rgb(110, 64, 227)  
}
```

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(110, 64, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 64, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 95.012, 307.173 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(110, 64, 227) }
```

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

```
.border{ border-color:rgb(110, 64, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 64, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 64, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 64, 227);  
box-shadow:4px 4px 4px 4px rgb(110, 64,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 95.012, 307.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 64, 227) }
```

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

```
.background{ background-color: rgb(110, 64,  
227) }
```

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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