

Converting Colors

CIELCh(52, 75.257, 300.654)

Have a look what the booklet for
CIELCh(52, 75.257, 300.654)
contains.

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Color

CIELCh(52, 74.971, 300.553)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 756AEC |
| RGB | 117, 106, 236 |
| RGB Percent | 46%, 42%, 93% |
| CMY | 0.5412, 0.5843, 0.0745 |
| CMYK | 0.50, 0.55, 0.00, 0.07 |
| HSL | 245°, 77%, 67% |
| HSV | 245°, 55%, 93% |
| XYZ | 27.6283, 20.1443, 81.7854 |
| YIQ | 124.1090, -35.1740, 42.7620 |

Conversions

Conversions Part 2

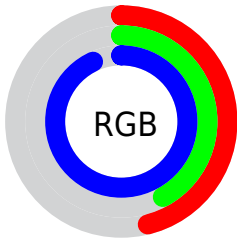
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 117, 106, 236 |
| Decimal | 7695084 |
| CIE Lab | 52.00, 38.11, -64.56 |
| CIE LCh | 52, 74.971, 300.553 |
| Yxy | 20.1443, 0.2133, 0.1555 |
| Android (android.graphics.Color) | 4285885164 (0xFF756AEC) |
| YUV | 124.1090, 55.1623, -6.2346 |
| Hunter-Lab | 44.8824, 31.3350, -76.6214 |

Details

The CIELCh color **52, 74.971, 300.553** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **90, 64.137, 109.037**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 53.532, 300.931**, and **32, 75.001, 300.635** is the 20% darker color. If you saturate the color by 10%, you get **45, 89.794, 302.337**, and if you desaturate by 10%, it is **59, 60.234, 298.872**.

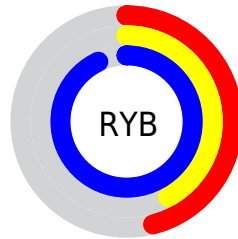
Distribution



Red (46%)

Green (42%)

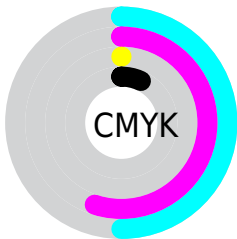
Blue (93%)



Red (46%)

Yellow (42%)

Blue (93%)

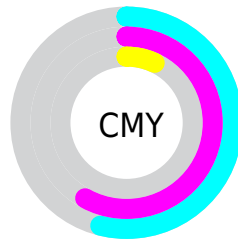


Cyan (50%)

Magenta (55%)

Yellow (0%)

Black (7%)



Cyan (54%)


Magenta (58%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 74.971, 300.553 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 52, 74.971, 300.553 by changing the saturation by 10% instead.


 52, 74.971,
300.553


 52, 74.971,
300.553


 100, 74.971,
300.553


 42, 74.971,
300.553


 72, 74.971,
300.553

 32, 74.971,
300.553

 82, 74.971,
300.553

 22, 74.971,
300.553

 92, 74.971,
300.553

 12, 74.971,
300.553

 2, 74.971, 300.553

 0, 74.971, 300.553

■ 52, 74.971,
300.553

■ 52, 74.971,
300.553

■ 45, 89.794,
302.337

■ 59, 60.234,
298.872

■ 39, 103.894,
304.064

■ 67, 45.926,
297.363

■ 34, 115.758,
305.473

■ 74, 32.160,
296.046

■ 31, 123.436,
306.274

■ 82, 18.948,
294.913

■ 30, 125.763,
306.499

■ 90, 6.267, 293.948

■ 97, 5.917, 113.110

■ 100, 9.620,
109.449

Harmonies

Complementary

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



52, 74.971, 300.553



90, 64.137, 109.037

Rectangle

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



52, 74.971, 300.553



52, 74.971, 350.553



52, 74.971, 120.553



52, 74.971, 170.553

Sweetspot

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



52, 74.971, 300.554



86, 22.828, 295.124



83, 34.159, 206.964



44, 15.332, 295.345



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 74.971, 300.554



48, 97.060, 302.550



58, 75.712, 314.397



45, 7.023, 294.350



22, 103.022, 306.557



3, 35.919, 299.750

Inverse Universe

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



65, 74.967, 329.947



65, 91.680, 330.513



86, 71.008, 129.389



46, 7.982, 327.331



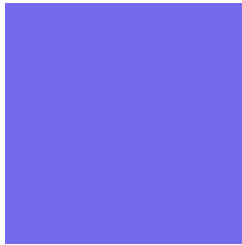
42, 83.631, 331.910



9, 36.162, 331.329

Previews

White Background



This preview shows how the CIELCh color 52, 74.971, 300.553 looks on a white background.

Color Contrast Check

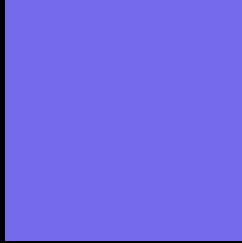
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 52, 74.971, 300.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

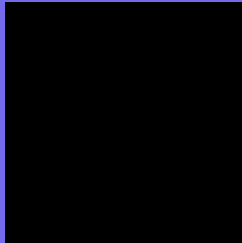
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 74.971, 300.553

Background



This preview shows how black text looks on a background with the CIELCh color 52, 74.971, 300.553.



This preview shows how white text looks on a background with the CIELCh color 52, 74.971, 300.553.

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





Tritanopia
52, 15.751, 219.853

Trichromacy



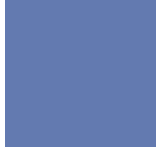
Original Color
52, 74.971, 300.553



Protanomaly
51, 75.825, 291.048



Deuteranomaly
51, 63.332, 284.388



Tritanomaly
52, 31.881, 281.108

Monochromacy



Original Color
52, 74.971, 300.553



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 28.069, 296.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 74.971, 300.553 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(117, 106, 236)` looks like.

```
.text, #text, p{  
    color:rgb(117, 106, 236)  
}
```

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(117, 106, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 106, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 74.971, 300.553 is called "border". The border property can be set on classes, ids or directly on the HTML element.

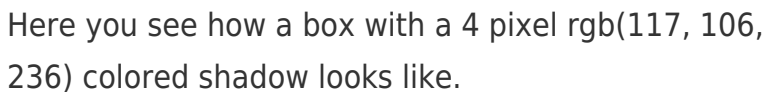
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 106, 236) }
```

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

```
.border{ border-color:rgb(117, 106, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 106, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 106, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 106, 236); box-shadow:4px 4px 4px 4px rgb(117, 106, 236) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 74.971, 300.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 106, 236) }
```

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

```
.background{ background-color: rgb(117,  
106, 236) }
```

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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