

Converting Colors

CIELCh(53, 71.398, 299.303)

Have a look what the booklet for
CIELCh(53, 71.398, 299.303)
contains.

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Color

CIELCh(53, 71.312, 299.263)

Conversions

Conversions Part 1

Format	Color
Hex	756FEB
RGB	117, 111, 235
RGB Percent	46%, 44%, 92%
CMY	0.5425, 0.5658, 0.0797
CMYK	0.50, 0.53, 0.00, 0.08
HSL	243°, 75%, 68%
HSV	243°, 53%, 92%
XYZ	27.8940, 21.0462, 80.9431
YIQ	126.9300, -36.2280, 39.8360

Conversions

Conversions Part 2

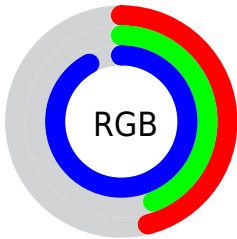
Format	Color
RYB	117, 111, 235
Decimal	7696363
CIELab	53.00, 34.86, -62.21
CIElCh	53, 71.312, 299.263
Yxy	21.0462, 0.2148, 0.1620
Android (android.graphics.Color)	4285886443 (0xFF756FEB)
YUV	126.9300, 53.2785, -8.7086
Hunter-Lab	45.8761, 28.2501, -72.4970

Details

The CIELCh color **53, 71.312, 299.263** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **90, 61.406, 107.465**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 50.490, 299.301**, and **33, 71.197, 299.335** is the 20% darker color. If you saturate the color by 10%, you get **46, 86.188, 301.211**, and if you desaturate by 10%, it is **60, 56.671, 297.465**.

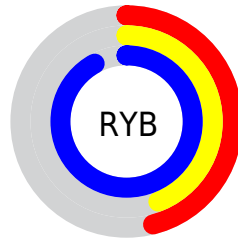
Distribution



Red (46%)

Green (44%)

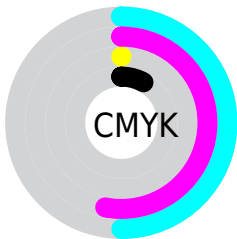
Blue (92%)



Red (46%)

Yellow (44%)

Blue (92%)

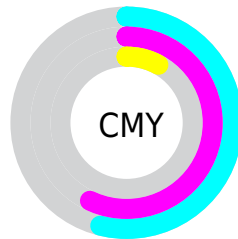


Cyan (50%)

Magenta (53%)

Yellow (0%)

Black (8%)



Cyan (54%)


Magenta (57%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 71.312, 299.263 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 53, 71.312, 299.263 by changing the saturation by 10% instead.


 53, 71.312,
299.263

 53, 71.312,
299.263


 100, 71.312,
299.263


 43, 71.312,
299.263


 73, 71.312,
299.263


 33, 71.312,
299.263


 83, 71.312,
299.263

 23, 71.312,
299.263

 93, 71.312,
299.263

 13, 71.312,
299.263

 3, 71.312, 299.263

 0, 71.312, 299.263

■ 53, 71.312,
299.263

■ 53, 71.312,
299.263

■ 46, 86.188,
301.211

■ 60, 56.671,
297.465

■ 40, 100.615,
303.160

■ 68, 42.529,
295.874

■ 34, 113.199,
304.851

■ 76, 28.953,
294.499

■ 31, 121.929,
305.962

■ 83, 15.935,
293.325

■ 30, 125.447,
306.393

■ 91, 3.443, 292.337

■ 98, 8.561, 111.466

■ 100, 10.288,
109.399

Harmonies

Complementary

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



53, 71.312, 299.263



90, 61.406, 107.465

Rectangle

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



53, 71.312, 299.263



53, 71.312, 349.263



53, 71.312, 119.263



53, 71.312, 169.263

Sweetspot

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



53, 71.312, 299.264



87, 21.414, 293.687



85, 34.704, 200.780



45, 14.519, 293.926



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 71.312, 299.264



50, 92.511, 301.303



59, 72.081, 312.779



45, 7.013, 292.973



22, 103.229, 306.432



3, 35.834, 298.888

Inverse Universe

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



65, 73.806, 328.633



67, 90.883, 329.108



86, 67.064, 127.806



46, 8.186, 326.263



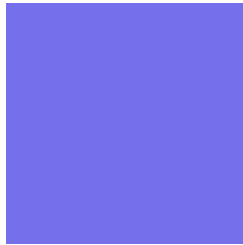
42, 86.066, 330.236



9, 37.059, 329.930

Previews

White Background



This preview shows how the CIELCh color 53, 71.312, 299.263 looks on a white background.

Color Contrast Check

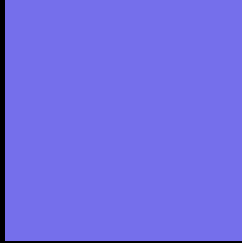
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 53, 71.312, 299.263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

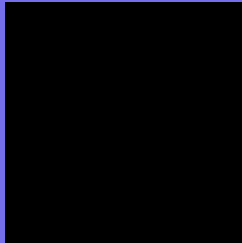
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 71.312, 299.263

Background



This preview shows how black text looks on a background with the CIELCh color 53, 71.312, 299.263.

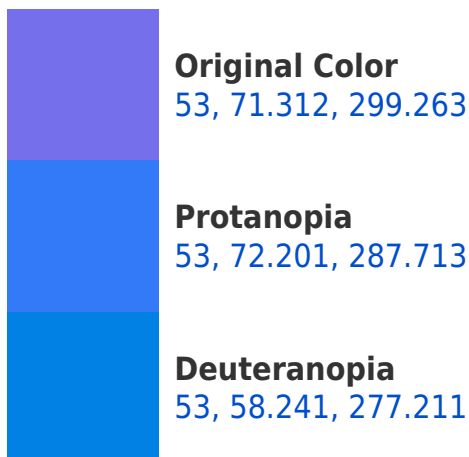



This preview shows how white text looks on a background with the CIELCh color 53, 71.312, 299.263.

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
53, 16.159, 221.456

Trichromacy



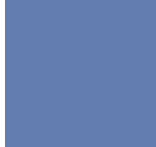
Original Color
53, 71.312, 299.263



Protanomaly
53, 72.031, 290.946



Deuteranomaly
52, 63.209, 283.637



Tritanomaly
52, 30.829, 278.670

Monochromacy



Original Color
53, 71.312, 299.263



Achromatopsia
53, 0.007, 296.813



Achromatomaly
53, 26.152, 294.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 71.312, 299.263 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, 111, 235)` looks like.

```
.text, #text, p{  
    color:rgb(117, 111, 235)  
}
```

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, 111, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 111, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 71.312, 299.263 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, 111, 235) }
```

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

```
.border{ border-color:rgb(117, 111, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 111, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 111, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 111, 235);  
box-shadow:4px 4px 4px 4px rgb(117, 111,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 71.312, 299.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 111, 235) }
```

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

```
.background{ background-color: rgb(117,  
111, 235) }
```

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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