

Converting Colors

CIELCh(41, 111.666, 305.651)

Have a look what the booklet for
CIELCh(41, 111.666, 305.651)
contains.

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Color

CIELCh(41, 111.432, 305.687)

Conversions

Conversions Part 1

Format	Color
Hex	5938FA
RGB	89, 56, 250
RGB Percent	35%, 22%, 98%
CMY	0.6507, 0.7802, 0.0194
CMYK	0.64, 0.78, 0.00, 0.02
HSL	250°, 95%, 60%
HSV	250°, 78%, 98%
XYZ	22.8049, 11.8645, 91.5707
YIQ	87.9830, -42.6060, 67.3300

Conversions

Conversions Part 2

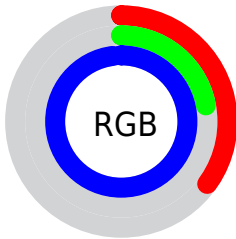
Format	Color
R_{YB}	89, 56, 250
Decimal	5847290
CIE _{Lab}	41.00, 65.00, -90.51
CIE _{LCh}	41, 111.432, 305.687
Yxy	11.8645, 0.1806, 0.0940
Android (android.graphics.Color)	4284037370 (0xFF5938FA)
YUV	87.9830, 79.8744, 0.8919
Hunter-Lab	34.4449, 57.9006, -133.5091

Details

The CIELCh color **41, 111.432, 305.687** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **93, 88.273, 112.330**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 83.669, 307.270**, and **23, 108.096, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **36, 122.613, 306.576**, and if you desaturate by 10%, it is **47, 97.480, 304.430**.

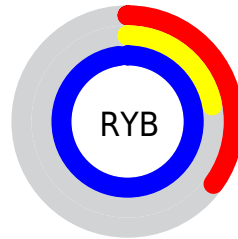
Distribution



Red (35%)

Green (22%)

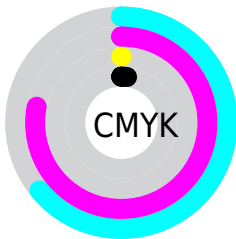
Blue (98%)



Red (35%)

Yellow (22%)

Blue (98%)

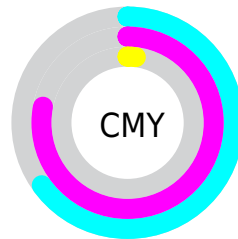


Cyan (64%)

Magenta (78%)

Yellow (0%)

Black (2%)



Cyan (65%)


Magenta (78%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 111.432, 305.687 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 41, 111.432, 305.687 by changing the saturation by 10% instead.


 41, 111.432,
305.687


 41, 111.432,
305.687


 100, 111.432,
305.687


 31, 111.432,
305.687


 61, 111.432,
305.687


 21, 111.432,
305.687


 71, 111.432,
305.687


 11, 111.432,
305.687


 81, 111.432,
305.687

 1, 111.432,
305.687

 91, 111.432,
305.687

 0, 111.432,
305.687

 41, 111.432,

 41, 111.432,

305.687

305.687

■ 36, 122.613,
306.576

■ 47, 97.480,
304.430

■ 33, 129.339,
306.877

■ 54, 82.352,
303.035

■ 33, 130.524,
306.918

■ 61, 67.027,
301.662

■ 69, 51.982,
300.393

■ 77, 37.415,
299.261

■ 85, 23.387,
298.270

■ 92, 9.899, 297.413

■ 100, 2.500,
109.960

Harmonies

Complementary

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



41, 111.432, 305.687



93, 88.273, 112.330

Rectangle

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



41, 111.432, 305.687



41, 111.432, 355.687



41, 111.432, 125.687



41, 111.432, 175.687

Sweetspot

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



41, 111.433, 305.688



82, 31.407, 298.791



81, 40.554, 222.539



41, 21.894, 299.161



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



41, 111.433, 305.688



35, 128.818, 306.818



52, 106.216, 317.219



48, 7.438, 297.567



24, 105.483, 307.017



4, 42.488, 304.346

Inverse Universe

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



60, 93.744, 334.692



59, 100.539, 335.954



88, 100.528, 131.439



49, 7.918, 330.065



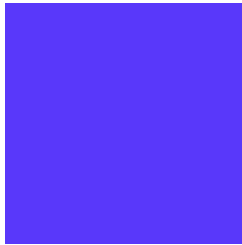
43, 80.684, 336.413



11, 37.109, 335.210

Previews

White Background



This preview shows how the CIELCh color 41, 111.432, 305.687 looks on a white background.

Color Contrast Check

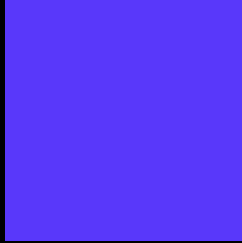
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 111.432, 305.687 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 41, 111.432, 305.687

Background



This preview shows how black text looks on a background with the CIELCh color 41, 111.432, 305.687.



This preview shows how white text looks on a background with the CIELCh color 41, 111.432, 305.687.

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


41, 111.432, 305.687

Protanopia

41, 62.022, 286.431

Deuteranopia

41, 42.763, 272.405



Tritanopia
40, 25.390, 207.831

Trichromacy



Original Color
41, 111.432, 305.687

Protanomaly
39, 81.279, 295.744

Deuteranomaly
39, 69.282, 292.501

Tritanomaly
38, 46.734, 282.173

Monochromacy



Original Color
41, 111.432, 305.687

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 44.072, 301.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 111.432, 305.687 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(89, 56, 250)` looks like.

```
.text, #text, p{  
  color:rgb(89, 56, 250)  
}
```

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(89, 56, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 56, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 111.432, 305.687 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(89, 56, 250) }
```

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

```
.border{ border-color:rgb(89, 56, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 56, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 56, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 56, 250);  
box-shadow:4px 4px 4px 4px rgb(89, 56,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 111.432, 305.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 56, 250) }
```

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

```
.background{ background-color: rgb(89, 56,  
250) }
```

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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