

Converting Colors

CIELCh(41, 115.039, 305.383)

Have a look what the booklet for
CIELCh(41, 115.039, 305.383)
contains.

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Color

CIELCh(41, 114.621, 305.352)

Conversions

Conversions Part 1

Format	Color
Hex	5337FF
RGB	83, 55, 255
RGB Percent	33%, 22%, 100%
CMY	0.6726, 0.7831, 0.0000
CMYK	0.67, 0.78, 0.00, 0.00
HSL	248°, 100%, 61%
HSV	248°, 78%, 100%
XYZ	23.0957, 11.8645, 95.9752
YIQ	86.1720, -47.5120, 68.1360

Conversions

Conversions Part 2

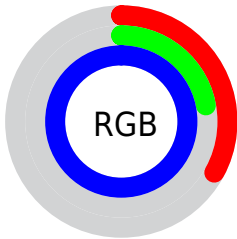
Format	Color
R _Y B	83, 55, 255
Decimal	5453823
CIE Lab	41.00, 66.32, -93.49
CIE LCh	41, 114.621, 305.352
Yxy	11.8645, 0.1764, 0.0906
Android (android.graphics.Color)	4283643903 (0xFF5337FF)
YUV	86.1720, 83.2322, -2.7818
Hunter-Lab	34.4449, 59.4074, -141.0906

Details

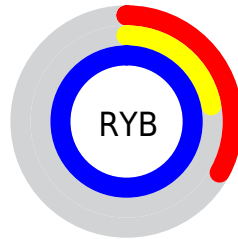
The CIELCh color $41, 114.621, 305.352$ is a dark color, and the websafe version is hex $6633FF$. The color can be described as dark washed blue. A complement of this color would be $95, 89.770, 110.854$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 84.256, 306.695$, and $24, 110.190, 306.287$ is the 20% darker color. If you saturate the color by 10%, you get $36, 125.597, 306.327$, and if you desaturate by 10%, it is $47, 100.294, 303.976$.

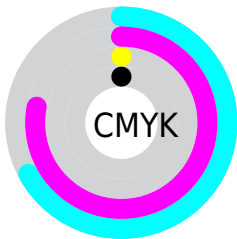
Distribution



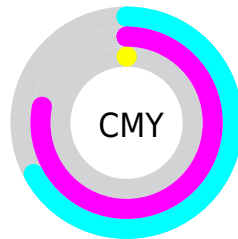
- Red (33%)
- Green (22%)
- Blue (100%)



- Red (33%)
- Yellow (22%)
- Blue (100%)



- Cyan (67%)
- Magenta (78%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (78%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 114.621, 305.352 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, 114.621, 305.352 by changing the saturation by 10% instead.


 41, 114.621,
305.352


 41, 114.621,
305.352


 100, 114.621,
305.352


 31, 114.621,
305.352


 61, 114.621,
305.352


 21, 114.621,
305.352


 71, 114.621,
305.352


 11, 114.621,
305.352


 81, 114.621,
305.352

 1, 114.621,
305.352

 91, 114.621,
305.352

 0, 114.621,
305.352

 41, 114.621,

 41, 114.621,

305.352

305.352

■ 36, 125.597,
306.327

■ 47, 100.294,
303.976

■ 33, 132.043,
306.690

■ 54, 84.856,
302.453

■ 33, 132.854,
306.735

■ 62, 69.204,
300.958

■ 70, 53.853,
299.581

■ 77, 39.008,
298.358

■ 85, 24.726,
297.293

■ 93, 11.007,
296.375

■ 100, 0.012,
296.813

Harmonies

Complementary

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



41, 114.621, 305.352



95, 89.770, 110.854

Rectangle

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



41, 114.621, 305.352



41, 114.621, 355.352



41, 114.621, 125.352



41, 114.621, 175.352

Sweetspot

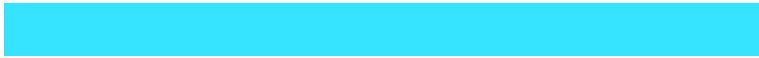
The Sweet Spot groups the original color and five complimentary colors.



41, 114.455, 305.352



82, 31.351, 297.773



84, 41.891, 216.820



41, 21.858, 298.166



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, 114.455, 305.352



34, 129.852, 306.604



52, 108.827, 316.227



49, 7.546, 296.477



24, 106.865, 306.820



4, 44.443, 304.466

Inverse Universe

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



61, 97.549, 333.437



59, 102.865, 334.494



90, 101.762, 130.573



50, 8.218, 329.098



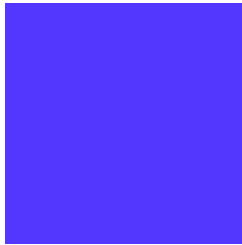
44, 83.332, 334.796



12, 38.845, 333.897

Previews

White Background



This preview shows how the CIELCh color 41, 114.621, 305.352 looks on a white background.

Color Contrast Check

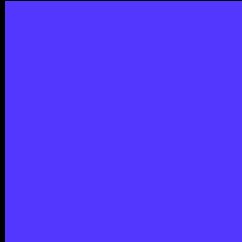
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.621, 305.352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

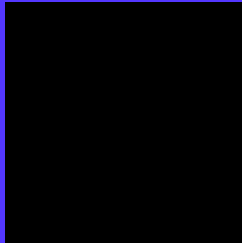
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 114.621, 305.352

Background



This preview shows how black text looks on a background with the CIELCh color 41, 114.621, 305.352.



This preview shows how white text looks on a background with the CIELCh color 41, 114.621, 305.352.

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, 114.621, 305.352

Protanopia

40, 62.091, 286.658

Deuteranopia

41, 42.763, 272.405



Tritanopia
40, 25.451, 206.362

Trichromacy



Original Color
41, 114.621, 305.352

Protanomaly
39, 82.498, 296.022

Deuteranomaly
39, 69.873, 292.510

Tritanomaly
38, 47.910, 282.583

Monochromacy



Original Color
41, 114.621, 305.352

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 44.725, 300.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 114.621, 305.352 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(83, 55, 255)` looks like.

```
.text, #text, p{  
    color:rgb(83, 55, 255)  
}
```

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(83, 55, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 55, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 114.621, 305.352 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(83, 55, 255) }
```

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

```
.border{ border-color:rgb(83, 55, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 55, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 55, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 55, 255);  
box-shadow:4px 4px 4px 4px rgb(83, 55,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 114.621, 305.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 55, 255) }
```

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

```
.background{ background-color: rgb(83, 55,  
255) }
```

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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