

Converting Colors

CIELCh(41, 115.947, 306.353)

Have a look what the booklet for
CIELCh(41, 115.947, 306.353)
contains.

CIELCh(41, 115.961, 306.336)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(41, 115.961, 306.336)

Conversions

Conversions Part 1

Format	Color
Hex	5B33FF
RGB	91, 51, 255
RGB Percent	36%, 20%, 100%
CMY	0.6419, 0.7991, 0.0000
CMYK	0.64, 0.80, 0.00, 0.00
HSL	252°, 100%, 60%
HSV	252°, 80%, 100%
XYZ	23.6304, 11.8645, 95.8653
YIQ	86.2160, -41.6440, 71.9240

Conversions

Conversions Part 2

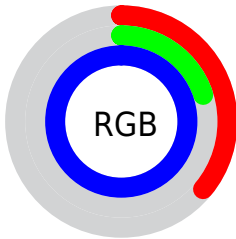
Format	Color
R_{YB}	91, 51, 255
Decimal	5977087
CIE _{Lab}	41.00, 68.71, -93.41
CIE _{LCh}	41, 115.961, 306.336
Yxy	11.8645, 0.1799, 0.0903
Android (android.graphics.Color)	4284167167 (0xFF5B33FF)
YUV	86.2160, 83.2105, 4.1956
Hunter-Lab	34.4449, 62.1785, -140.9013

Details

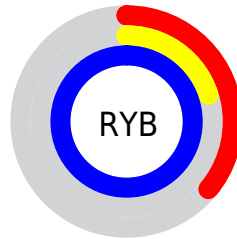
The CIELCh color **41, 115.961, 306.336** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **94, 91.623, 113.667**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 86.006, 308.237**, and **24, 110.190, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **37, 126.145, 306.991**, and if you desaturate by 10%, it is **47, 102.312, 305.264**.

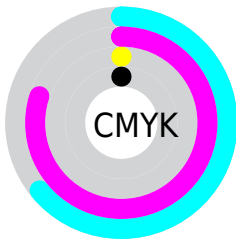
Distribution



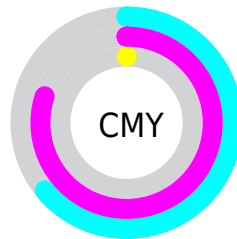
- Red (36%)
- Green (20%)
- Blue (100%)



- Red (36%)
- Yellow (20%)
- Blue (100%)



- Cyan (64%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (64%)
- Magenta (80%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 115.961, 306.336 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, 115.961, 306.336 by changing the saturation by 10% instead.


 41, 115.961,
306.336


 41, 115.961,
306.336


 100, 115.961,
306.336


 31, 115.961,
306.336


 61, 115.961,
306.336


 21, 115.961,
306.336


 71, 115.961,
306.336


 11, 115.961,
306.336


 81, 115.961,
306.336

 1, 115.961,
306.336

 91, 115.961,
306.336

 0, 115.961,
306.336

 41, 115.961,

 41, 115.961,

306.336

306.336

■ 37, 126.145,
306.991

■ 47, 102.312,
305.264

■ 34, 132.061,
307.103

■ 54, 87.234,
303.998

■ 34, 132.105,
307.104

■ 61, 71.730,
302.711

■ 69, 56.388,
301.497

■ 77, 41.471,
300.400

■ 84, 27.076,
299.432

■ 92, 13.222,
298.590

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, 115.961, 306.336



94, 91.623, 113.667

Rectangle

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



41, 115.961, 306.336



41, 115.961, 356.336



41, 115.961, 126.336



41, 115.961, 176.336

Sweetspot

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



41, 115.843, 306.339



81, 32.898, 299.813



81, 41.488, 226.167



40, 22.757, 300.161



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, 115.843, 306.339



35, 130.126, 307.090



53, 109.796, 317.676



49, 7.580, 298.558



24, 106.227, 307.215



4, 44.552, 305.485

Inverse Universe

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



60, 94.720, 336.154



58, 98.805, 337.753



90, 104.522, 131.888



50, 7.901, 330.983



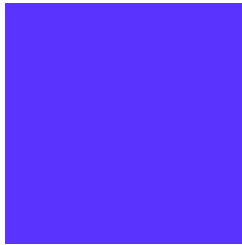
43, 79.871, 337.990



11, 37.405, 336.588

Previews

White Background



This preview shows how the CIELCh color 41, 115.961, 306.336 looks on a white background.

Color Contrast Check

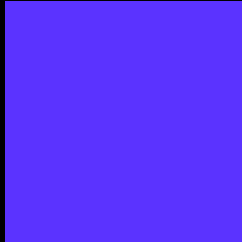
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.961, 306.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

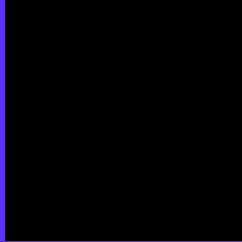
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 115.961, 306.336

Background



This preview shows how black text looks on a background with the CIELCh color 41, 115.961, 306.336.



This preview shows how white text looks on a background with the CIELCh color 41, 115.961, 306.336.

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, 115.961, 306.336

Protanopia

40, 62.091, 286.658

Deuteranopia

41, 42.763, 272.405



Tritanopia
40, 25.390, 207.831

Trichromacy



Original Color
41, 115.961, 306.336

Protanomaly
39, 83.740, 296.719

Deuteranomaly
39, 70.486, 293.083

Tritanomaly
37, 49.072, 284.247

Monochromacy



Original Color
41, 115.961, 306.336

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 46.116, 302.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 115.961, 306.336 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(91, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(91, 51, 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(91, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 51, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 115.961, 306.336 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(91, 51, 255) }
```

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

```
.border{ border-color:rgb(91, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(91, 51,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 115.961, 306.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 51, 255) }
```

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

```
.background{ background-color: rgb(91, 51,  
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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