

Converting Colors

CIELCh(44, 105.636, 311.104)

Have a look what the booklet for
CIELCh(44, 105.636, 311.104)
contains.

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Color

CIELCh(44, 105.668, 311.111)

Conversions

Conversions Part 1

Format	Color
Hex	8734F0
RGB	135, 52, 240
RGB Percent	53%, 20%, 94%
CMY	0.4716, 0.7971, 0.0598
CMYK	0.44, 0.78, 0.00, 0.06
HSL	266°, 86%, 57%
HSV	266°, 78%, 94%
XYZ	26.8562, 13.8382, 83.4965
YIQ	98.2490, -10.8800, 76.0640

Conversions

Conversions Part 2

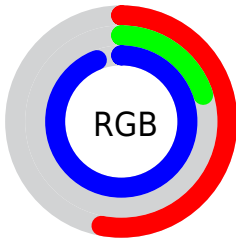
Format	Color
R _{YB}	135, 52, 240
Decimal	8860912
CIE _{Lab}	44.00, 69.48, -79.61
CIE _{LCh}	44, 105.668, 311.111
Y _{xy}	13.8382, 0.2162, 0.1114
Android (android.graphics.Color)	4287050992 (0xFF8734F0)
YUV	98.2490, 69.8832, 32.2306
Hunter-Lab	37.1997, 63.7680, -107.0392

Details

The CIELCh color **44, 105.668, 311.111** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **87, 91.668, 124.352**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 84.266, 314.959**, and **26, 99.562, 309.663** is the 20% darker color. If you saturate the color by 10%, you get **40, 114.611, 311.051**, and if you desaturate by 10%, it is **49, 94.025, 310.829**.

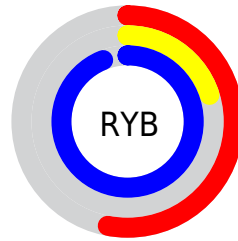
Distribution



Red (53%)

Green (20%)

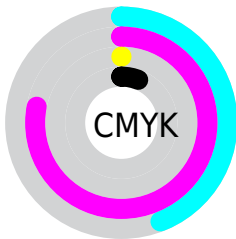
Blue (94%)



Red (53%)

Yellow (20%)

Blue (94%)

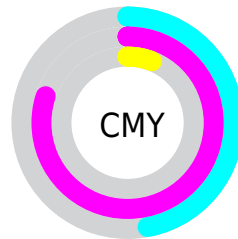


Cyan (44%)

Magenta (78%)

Yellow (0%)

Black (6%)



Cyan (47%)


Magenta (80%)


Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 105.668, 311.111 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 44, 105.668, 311.111 by changing the saturation by 10% instead.


 44, 105.668,
311.111


 44, 105.668,
311.111


 100, 105.668,
311.111


 34, 105.668,
311.111


 64, 105.668,
311.111


 24, 105.668,
311.111


 74, 105.668,
311.111


 14, 105.668,
311.111


 84, 105.668,
311.111

 4, 105.668,
311.111

 94, 105.668,
311.111

 0, 105.668,
311.111

 44, 105.668,

 44, 105.668,

311.111

311.111

■ 40, 114.611,
311.051

■ 49, 94.025,
310.829

■ 37, 120.096,
310.555

■ 55, 80.759,
310.338

■ 37, 120.819,
310.468

■ 61, 66.721,
309.743

■ 68, 52.471,
309.116

■ 75, 38.335,
308.502

■ 82, 24.492,
307.923

■ 89, 11.026,
307.391

■ 96, 2.025, 126.983

100, 7.721,
109.590

Harmonies

Complementary

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



44, 105.668, 311.111



87, 91.668, 124.352

Rectangle

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



44, 105.668, 311.111



44, 105.668, 1.111



44, 105.668, 131.111



44, 105.668, 181.111

Sweetspot

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



44, 105.668, 311.112



82, 33.830, 308.245



63, 49.338, 267.266



41, 23.357, 308.456



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 105.668, 311.112



41, 123.874, 310.803



57, 102.459, 325.734



46, 7.453, 307.445



27, 98.718, 310.654



4, 39.394, 310.216

Inverse Universe

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



55, 77.404, 350.653



56, 85.480, 355.216



84, 104.092, 136.454



47, 6.313, 341.338



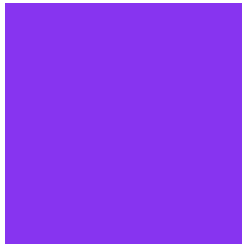
40, 67.192, 356.543



9, 30.088, 351.195

Previews

White Background



This preview shows how the CIELCh color 44, 105.668, 311.111 looks on a white background.

Color Contrast Check

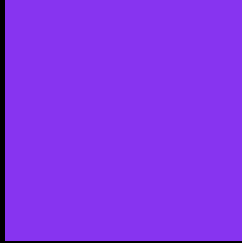
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 105.668, 311.111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

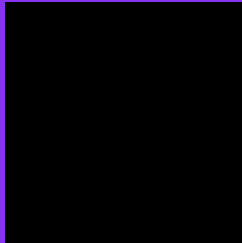
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 105.668, 311.111

Background



This preview shows how black text looks on a background with the CIELCh color 44, 105.668, 311.111.

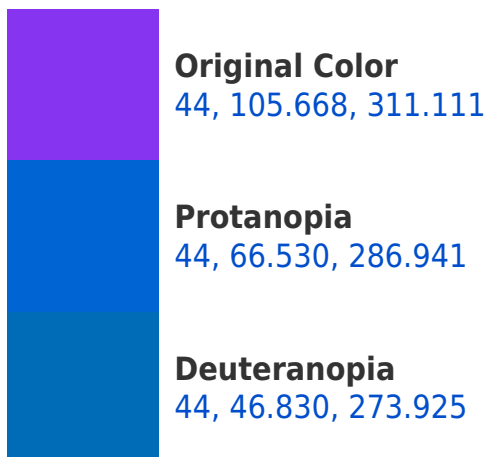


This preview shows how white text looks on a background with the CIELCh color 44, 105.668, 311.111.

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
44, 4.824, 295.635

Trichromacy



Original Color
44, 105.668, 311.111



Protanomaly
41, 83.029, 296.898



Deuteranomaly
41, 69.812, 293.457



Tritanomaly
42, 45.794, 308.862

Monochromacy



Original Color
44, 105.668, 311.111



Achromatopsia
42, 0.006, 296.813



Achromatomaly
40, 43.125, 309.291

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 105.668, 311.111 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(135, 52, 240)` looks like.

```
.text, #text, p{  
    color:rgb(135, 52, 240)  
}
```

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(135, 52, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 52, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 105.668, 311.111 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(135, 52, 240) }
```

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

```
.border{ border-color:rgb(135, 52, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 52, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 52, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 52, 240);  
box-shadow:4px 4px 4px 4px rgb(135, 52,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 105.668, 311.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 52, 240) }
```

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

```
.background{ background-color: rgb(135, 52,  
240) }
```

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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