

Converting Colors

CIELCh(46, 112.286, 306.009)

Have a look what the booklet for
CIELCh(46, 112.286, 306.009)
contains.

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Color

CIELCh(45, 106.999, 306.081)

Conversions

Conversions Part 1

Format	Color
Hex	6D44FF
RGB	109, 68, 255
RGB Percent	43%, 27%, 100%
CMY	0.5737, 0.7342, 0.0010
CMYK	0.57, 0.73, 0.00, 0.00
HSL	253°, 100%, 63%
HSV	253°, 73%, 100%
XYZ	26.3308, 14.5417, 95.8030
YIQ	101.5770, -35.5910, 66.8490

Conversions

Conversions Part 2

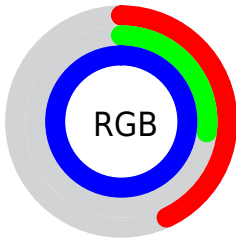
Format	Color
R_{YB}	109, 68, 255
Decimal	7161087
CIE _{Lab}	45.00, 63.01, -86.48
CIE _{LCh}	45, 106.999, 306.081
Yxy	14.5417, 0.1927, 0.1064
Android (android.graphics.Color)	4285351167 (0xFF6D44FF)
YUV	101.5770, 75.6375, 6.5100
Hunter-Lab	38.1336, 56.5185, -122.2607

Details

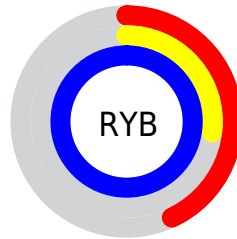
The CIELCh color **45, 106.999, 306.081** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **94, 87.135, 114.710**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 76.721, 308.588**, and **25, 107.110, 306.082** is the 20% darker color. If you saturate the color by 10%, you get **40, 119.484, 306.942**, and if you desaturate by 10%, it is **52, 92.430, 304.954**.

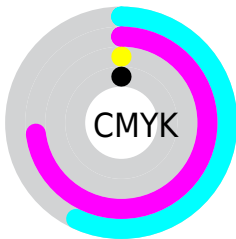
Distribution



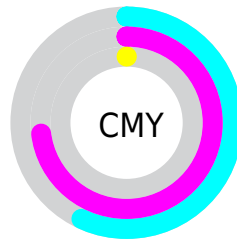
- Red (43%)
- Green (27%)
- Blue (100%)



- Red (43%)
- Yellow (27%)
- Blue (100%)



- Cyan (57%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (73%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 106.999, 306.081 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 45, 106.999, 306.081 by changing the saturation by 10% instead.


 45, 106.999,
306.081


 45, 106.999,
306.081


 100, 106.999,
306.081


 35, 106.999,
306.081


 65, 106.999,
306.081


 25, 106.999,
306.081


 75, 106.999,
306.081

 15, 106.999,
306.081


 85, 106.999,
306.081

 5, 106.999,
306.081

 95, 106.999,
306.081


 0, 106.999,
306.081


 45, 106.999,


 45, 106.999,

306.081

306.081


 40, 119.484,
306.942


 52, 92.430,
304.954


 36, 128.181,
307.310

 59, 77.079,
303.746

 34, 131.640,
307.288

 66, 61.694,
302.573

 74, 46.638,
301.493

 82, 32.062,
300.529

 89, 18.013,
299.682

 97, 4.489, 298.945

100, 0.123,
109.540

Harmonies

Complementary

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



45, 106.999, 306.081



94, 87.135, 114.710

Rectangle

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



45, 106.999, 306.081



45, 106.999, 356.081



45, 106.999, 126.081



45, 106.999, 176.081

Sweetspot

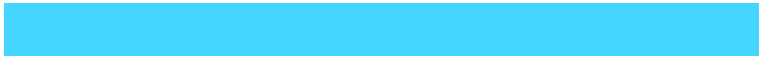
The Sweet Spot groups the original color and five complimentary colors.



45, 107.000, 306.082



83, 30.093, 300.403



80, 40.010, 230.437



42, 20.325, 300.649



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 107.000, 306.082



38, 124.159, 307.185



56, 103.484, 318.767



49, 7.596, 299.384



25, 105.925, 307.409



4, 44.596, 305.927

Inverse Universe

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



62, 89.449, 336.641



59, 96.222, 338.134



90, 99.548, 132.683



50, 7.777, 331.779



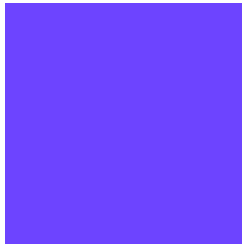
43, 78.573, 339.369



11, 36.858, 337.741

Previews

White Background



This preview shows how the CIELCh color 45, 106.999, 306.081 looks on a white background.

Color Contrast Check

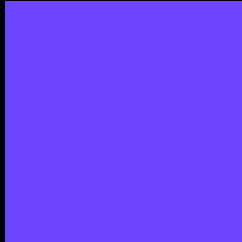
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 45, 106.999, 306.081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

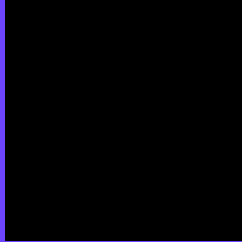
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 106.999, 306.081

Background



This preview shows how black text looks on a background with the CIELCh color 45, 106.999, 306.081.

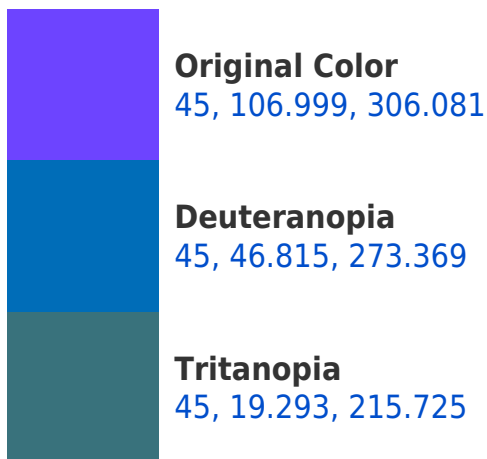


This preview shows how white text looks on a background with the CIELCh color 45, 106.999, 306.081.

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



Trichromacy



Original Color
45, 106.999, 306.081

Deuteranomaly
43, 69.387, 291.104

Tritanomaly
43, 45.135, 288.994

Monochromacy



Original Color
45, 106.999, 306.081

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 41.440, 302.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 106.999, 306.081 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(109, 68, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 68, 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(109, 68, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 68, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 106.999, 306.081 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(109, 68, 255) }
```

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

```
.border{ border-color:rgb(109, 68, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 68, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 68, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 68, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 68,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 106.999, 306.081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 68, 255) }
```

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

```
.background{ background-color: rgb(109, 68,  
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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