

Converting Colors

CIELCh(45, 113.305, 306.081)

Have a look what the booklet for
CIELCh(45, 113.305, 306.081)
contains.

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Color

CIELCh(44, 109.184, 306.156)

Conversions

Conversions Part 1

Format	Color
Hex	6940FF
RGB	105, 64, 255
RGB Percent	41%, 25%, 100%
CMY	0.5892, 0.7498, 0.0009
CMYK	0.59, 0.75, 0.00, 0.00
HSL	253°, 100%, 62%
HSV	253°, 75%, 100%
XYZ	25.6323, 13.8382, 95.7393
YIQ	98.0330, -36.8750, 68.0930

Conversions

Conversions Part 2

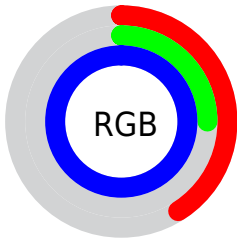
Format	Color
R _Y B	105, 64, 255
Decimal	6897919
CIE Lab	44.00, 64.42, -88.16
CIE LCh	44, 109.184, 306.156
Yxy	13.8382, 0.1896, 0.1023
Android (android.graphics.Color)	4285087999 (0xFF6940FF)
YUV	98.0330, 77.3847, 6.1101
Hunter-Lab	37.1997, 57.8951, -126.5521

Details

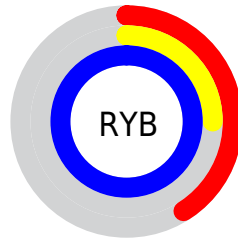
The CIELCh color **44, 109.184, 306.156** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **94, 88.313, 114.490**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 79.053, 308.579**, and **24, 109.388, 306.188** is the 20% darker color. If you saturate the color by 10%, you get **39, 121.218, 306.974**, and if you desaturate by 10%, it is **50, 94.813, 305.038**.

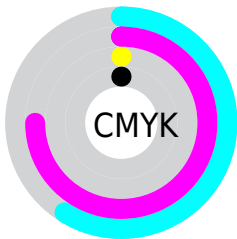
Distribution



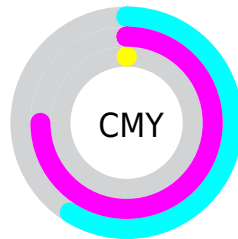
- Red (41%)
- Green (25%)
- Blue (100%)



- Red (41%)
- Yellow (25%)
- Blue (100%)



- Cyan (59%)
- Magenta (75%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (75%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 109.184, 306.156 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, 109.184, 306.156 by changing the saturation by 10% instead.


 44, 109.184,
306.156


 44, 109.184,
306.156


 100, 109.184,
306.156


 34, 109.184,
306.156


 64, 109.184,
306.156


 24, 109.184,
306.156


 74, 109.184,
306.156

 14, 109.184,
306.156


 84, 109.184,
306.156

 4, 109.184,
306.156

 94, 109.184,
306.156

 0, 109.184,
306.156

 44, 109.184,

 44, 109.184,

306.156

■ 39, 121.218,
306.974

■ 35, 129.198,
307.264

■ 34, 131.733,
307.249

306.156

■ 50, 94.813,
305.038

■ 57, 79.501,
303.815

■ 65, 64.078,
302.616

■ 73, 48.952,
301.507

■ 80, 34.295,
300.514

■ 88, 20.165,
299.642

■ 96, 6.564, 298.882

100, 0.102,
109.410

Harmonies

Complementary

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



44, 109.184, 306.156



94, 88.313, 114.490

Rectangle

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



44, 109.184, 306.156



44, 109.184, 356.156



44, 109.184, 126.156



44, 109.184, 176.156

Sweetspot

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



44, 109.185, 306.157



83, 30.082, 300.244



81, 40.376, 227.887



42, 20.317, 300.491



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, 109.185, 306.157



37, 125.929, 307.198



55, 105.104, 318.249



49, 7.592, 299.214



24, 105.989, 307.368



4, 44.587, 305.835

Inverse Universe

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



61, 90.755, 336.566



58, 96.948, 338.103



90, 100.594, 132.264



50, 7.802, 331.613



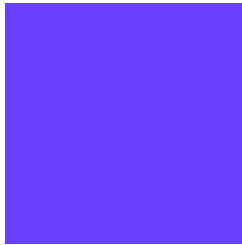
43, 78.835, 339.081



11, 36.969, 337.501

Previews

White Background



This preview shows how the CIELCh color 44, 109.184, 306.156 looks on a white background.

Color Contrast Check

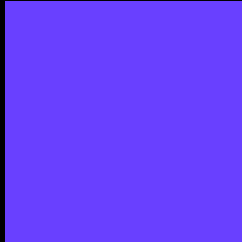
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 109.184, 306.156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

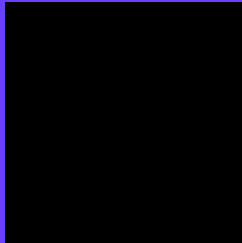
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 44, 109.184, 306.156

Background



This preview shows how black text looks on a background with the CIELCh color 44, 109.184, 306.156.



This preview shows how white text looks on a background with the CIELCh color 44, 109.184,

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

44, 109.184, 306.156

Protanopia

44, 65.979, 286.724

Deuteranopia

44, 46.325, 273.752



Tritanopia

44, 21.157, 212.178

Trichromacy



Original Color
44, 109.184, 306.156

Protanomaly
42, 82.753, 295.274

Deuteranomaly
42, 69.655, 291.574

Tritanomaly
42, 45.437, 287.412

Monochromacy



Original Color
44, 109.184, 306.156

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 42.201, 302.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 109.184, 306.156 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(105, 64, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 64, 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(105, 64, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 64, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 109.184, 306.156 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(105, 64, 255) }
```

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

```
.border{ border-color:rgb(105, 64, 255) }
```

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

Here you see how a box with a 4 pixel rgb(105, 64, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 64, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 64, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 64,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 109.184, 306.156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 64, 255) }
```

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

```
.background{ background-color: rgb(105, 64,  
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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