

Converting Colors

CIELCh(39, 105.935, 305.111)

Have a look what the booklet for
CIELCh(39, 105.935, 305.111)
contains.

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Color

CIELCh(39, 105.987, 305.150)

Conversions

Conversions Part 1

Format	Color
Hex	5137ED
RGB	81, 55, 237
RGB Percent	32%, 22%, 93%
CMY	0.6807, 0.7832, 0.0693
CMYK	0.66, 0.77, 0.00, 0.07
HSL	249°, 84%, 57%
HSV	249°, 77%, 93%
XYZ	20.1401, 10.6589, 81.3600
YIQ	83.5220, -42.9260, 62.1140

Conversions

Conversions Part 2

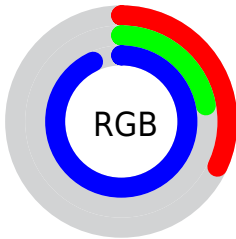
Format	Color
R _Y B	81, 55, 237
Decimal	5322733
CIE Lab	39.00, 61.02, -86.66
CIE LCh	39, 105.987, 305.150
Yxy	10.6589, 0.1796, 0.0950
Android (android.graphics.Color)	4283512813 (0xFF5137ED)
YUV	83.5220, 75.6647, -2.2118
Hunter-Lab	32.6480, 52.9797, -124.8991

Details

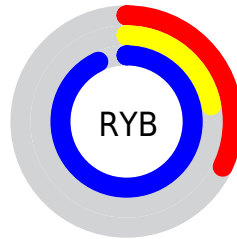
The CIELCh color **39, 105.987, 305.150** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **89, 83.790, 110.997**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 84.859, 305.966**, and **21, 103.029, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 117.186, 306.209**, and if you desaturate by 10%, it is **45, 92.305, 303.747**.

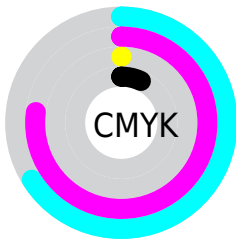
Distribution



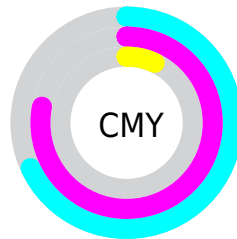
- Red (32%)
- Green (22%)
- Blue (93%)



- Red (32%)
- Yellow (22%)
- Blue (93%)



- Cyan (66%)
- Magenta (77%)
- Yellow (0%)
- Black (7%)





- Cyan (68%)
- Magenta (78%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 105.987, 305.150 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 39, 105.987, 305.150 by changing the saturation by 10% instead.


 39, 105.987,
305.150


 39, 105.987,
305.150


 100, 105.987,
305.150


 29, 105.987,
305.150


 59, 105.987,
305.150


 19, 105.987,
305.150


 69, 105.987,
305.150

 9, 105.987,
305.150

 79, 105.987,
305.150

 0, 105.987,
305.150

 89, 105.987,
305.150

 99, 105.987,
305.150

■ 39, 105.987,
305.150

■ 39, 105.987,
305.150

■ 34, 117.186,
306.209

■ 45, 92.305,
303.747

■ 31, 124.143,
306.674

■ 52, 77.655,
302.236

■ 31, 125.757,
306.768

■ 59, 62.921,
300.773

■ 66, 48.517,
299.435

■ 74, 34.602,
298.251

■ 81, 21.218,
297.221

■ 89, 8.358, 296.335

■ 96, 4.004, 115.569

100, 8.951,
109.499

Harmonies

Complementary

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



39, 105.987, 305.150



89, 83.790, 110.997

Rectangle

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



39, 105.987, 305.150



39, 105.987, 355.150



39, 105.987, 125.150



39, 105.987, 175.150

Sweetspot

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



39, 105.988, 305.151



82, 31.355, 297.861



79, 39.333, 216.496



41, 21.861, 298.252



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



39, 105.988, 305.151



35, 128.519, 306.553



49, 101.338, 316.249



46, 7.173, 296.567



23, 103.619, 306.850



3, 38.201, 302.087

Inverse Universe

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



58, 91.138, 333.425



59, 102.397, 334.480



85, 94.815, 130.541



47, 7.797, 329.176



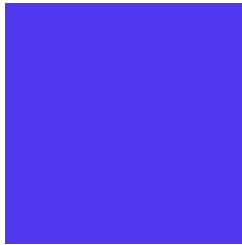
42, 80.706, 334.911



9, 35.780, 333.855

Previews

White Background



This preview shows how the CIELCh color 39, 105.987, 305.150 looks on a white background.

Color Contrast Check

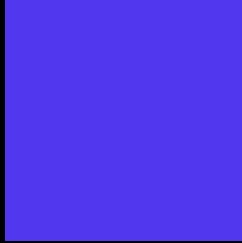
Large Text (above 18pt) WCAG AA ✓ Pass

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 39, 105.987, 305.150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

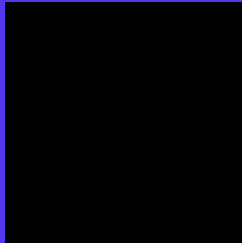
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 39, 105.987, 305.150

Background



This preview shows how black text looks on a background with the CIELCh color 39, 105.987, 305.150.

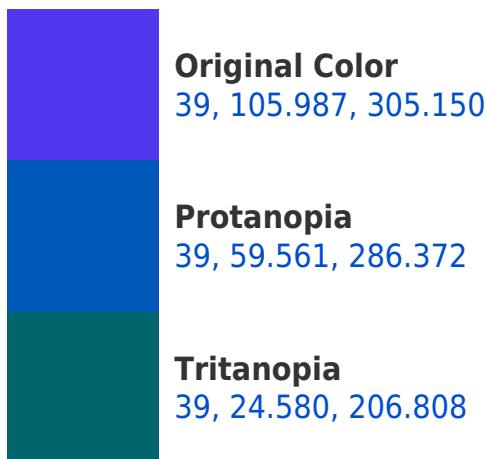


This preview shows how white text looks on a background with the CIELCh color 39, 105.987, 305.150.

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
39, 105.987, 305.150

Protanomaly
37, 77.803, 295.602

Tritanomaly
36, 44.664, 281.756

Monochromacy



Original Color
39, 105.987, 305.150

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 41.213, 300.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 105.987, 305.150 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(81, 55, 237)` looks like.

```
.text, #text, p{  
    color:rgb(81, 55, 237)  
}
```

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(81, 55, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 55, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 105.987, 305.150 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(81, 55, 237) }
```

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

```
.border{ border-color:rgb(81, 55, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 55, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 55, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 55, 237);  
box-shadow:4px 4px 4px 4px rgb(81, 55,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 105.987, 305.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 55, 237) }
```

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

```
.background{ background-color: rgb(81, 55,  
237) }
```

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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