

Converting Colors

CIELCh(55, 73.564, 305.449)

Have a look what the booklet for
CIELCh(55, 73.564, 305.449)
contains.

CIELCh(55, 73.600, 305.271)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(55, 73.600, 305.271)

Conversions

Conversions Part 1

Format	Color
Hex	906DED
RGB	144, 109, 237
RGB Percent	56%, 43%, 93%
CMY	0.4359, 0.5731, 0.0712
CMYK	0.39, 0.54, 0.00, 0.07
HSL	256°, 78%, 68%
HSV	256°, 54%, 93%
XYZ	32.1933, 22.9298, 82.7333
YIQ	134.0570, -20.2280, 47.2280

Conversions

Conversions Part 2

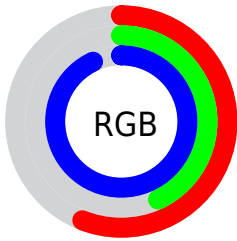
Format	Color
RYB	144, 109, 237
Decimal	9465325
CIELab	55.00, 42.50, -60.09
CIELCh	55, 73.600, 305.271
Yxy	22.9298, 0.2335, 0.1663
Android (android.graphics.Color)	4287655405 (0xFF906DED)
YUV	134.0570, 50.7509, 8.7200
Hunter-Lab	47.8851, 36.2071, -68.9185

Details

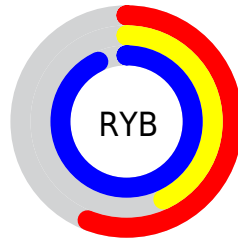
The CIELCh color **55, 73.600, 305.271** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **89, 64.777, 117.665**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 52.811, 308.855**, and **35, 73.354, 305.309** is the 20% darker color. If you saturate the color by 10%, you get **48, 87.856, 306.280**, and if you desaturate by 10%, it is **62, 59.196, 304.265**.

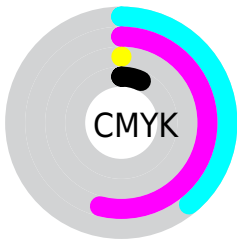
Distribution



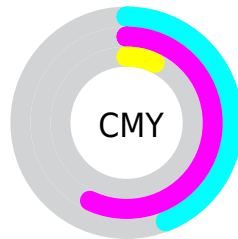
- Red (56%)
- Green (43%)
- Blue (93%)



- Red (56%)
- Yellow (43%)
- Blue (93%)



- Cyan (39%)
- Magenta (54%)
- Yellow (0%)
- Black (7%)





- Cyan (44%)
- Magenta (57%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 73.600, 305.271 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 55, 73.600, 305.271 by changing the saturation by 10% instead.


 55, 73.600,
305.271


 55, 73.600,
305.271


 100, 73.600,
305.271


 45, 73.600,
305.271


 75, 73.600,
305.271

 35, 73.600,
305.271

 85, 73.600,
305.271

 25, 73.600,
305.271

 95, 73.600,
305.271

 15, 73.600,
305.271

 5, 73.600, 305.271

 0, 73.600, 305.271

55, 73.600,
305.271

55, 73.600,
305.271

48, 87.856,
306.280

62, 59.196,
304.265

42, 101.254,
307.182

69, 45.017,
303.321

37, 112.622,
307.809

76, 31.234,
302.464

34, 120.509,
307.964

84, 17.911,
301.703

32, 123.564,
307.866

91, 5.063, 301.031

98, 7.322, 120.467

100, 9.188,
109.481

Harmonies

Complementary

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



55, 73.600, 305.271



89, 64.777, 117.665

Rectangle

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



55, 73.600, 305.271



55, 73.600, 355.271



55, 73.600, 125.271



55, 73.600, 175.271

Sweetspot

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



55, 73.599, 305.271



88, 21.759, 301.850



77, 31.414, 233.888



45, 14.745, 302.003



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 73.599, 305.271



51, 94.710, 306.399



62, 75.794, 320.025



45, 7.136, 301.386



24, 100.840, 308.009



3, 36.529, 304.390

Inverse Universe

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



64, 65.227, 337.364



64, 80.001, 338.464



86, 73.877, 134.759



46, 6.986, 333.832



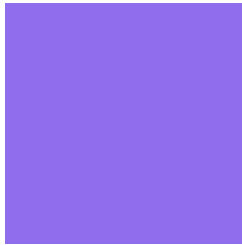
40, 72.655, 342.938



8, 31.988, 340.239

Previews

White Background



This preview shows how the CIELCh color 55, 73.600, 305.271 looks on a white background.

Color Contrast Check

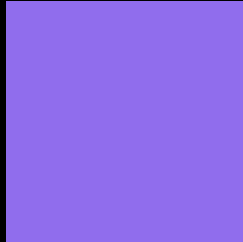
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 73.600, 305.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

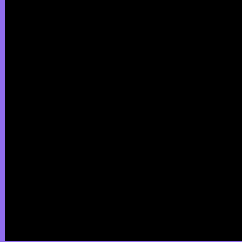
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 73.600, 305.271

Background



This preview shows how black text looks on a background with the CIELCh color 55, 73.600, 305.271.

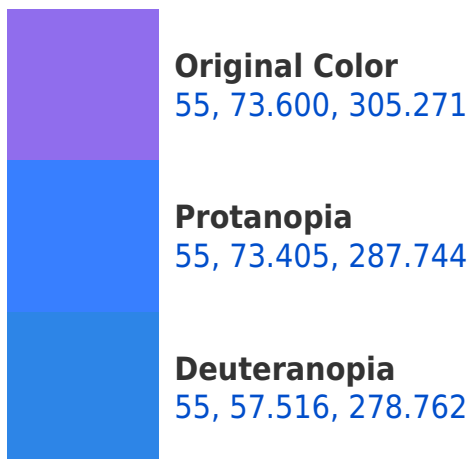


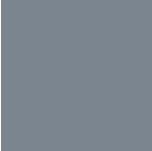
This preview shows how white text looks on a background with the CIELCh color 55, 73.600, 305.271.

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
55, 6.985, 254.730

Trichromacy



Original Color
55, 73.600, 305.271



Protanomaly
54, 73.267, 292.721



Deuteranomaly
54, 62.798, 288.200



Tritanomaly
54, 30.688, 297.539

Monochromacy



Original Color
55, 73.600, 305.271



Achromatopsia
56, 0.007, 296.813



Achromatomaly
55, 26.959, 302.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 73.600, 305.271 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(144, 109, 237)` looks like.

```
.text, #text, p{  
    color:rgb(144, 109, 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(144, 109, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 109, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 73.600, 305.271 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(144, 109, 237) }
```

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

```
.border{ border-color:rgb(144, 109, 237) }
```

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

Here you see how a box with a 4 pixel rgb(144, 109, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 109, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 109, 237);  
box-shadow:4px 4px 4px 4px rgb(144, 109,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 73.600, 305.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 109, 237) }
```

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

```
.background{ background-color: rgb(144,  
109, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor