

Converting Colors

CIELCh(55, 85.120, 306.590)

Have a look what the booklet for
CIELCh(55, 85.120, 306.590)
contains.

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Color

CIELCh(55, 85.073, 306.557)

Conversions

Conversions Part 1

Format	Color
Hex	9467FC
RGB	148, 103, 252
RGB Percent	58%, 40%, 99%
CMY	0.4207, 0.5971, 0.0129
CMYK	0.41, 0.59, 0.00, 0.01
HSL	258°, 96%, 70%
HSV	258°, 59%, 99%
XYZ	34.5111, 22.9298, 94.4633
YIQ	133.4410, -21.0090, 55.8790

Conversions

Conversions Part 2

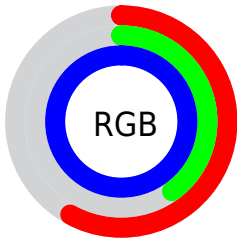
Format	Color
RYB	148, 103, 252
Decimal	9725948
CIELab	55.00, 50.67, -68.34
CIElCh	55, 85.073, 306.557
Yxy	22.9298, 0.2272, 0.1509
Android (android.graphics.Color)	4287916028 (0xFF9467FC)
YUV	133.4410, 58.4496, 12.7682
Hunter-Lab	47.8851, 44.8472, -83.4423

Details

The CIELCh color **55, 85.073, 306.557** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **93, 74.097, 118.691**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 56.263, 311.517**, and **35, 84.802, 306.618** is the 20% darker color. If you saturate the color by 10%, you get **48, 99.542, 307.430**, and if you desaturate by 10%, it is **62, 70.045, 305.624**.

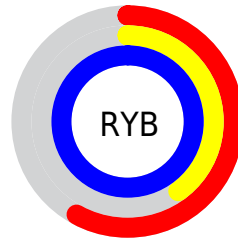
Distribution



Red (58%)

Green (40%)

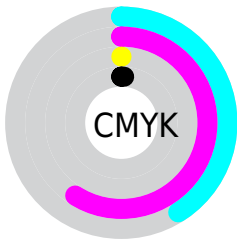
Blue (99%)



Red (58%)

Yellow (40%)

Blue (99%)

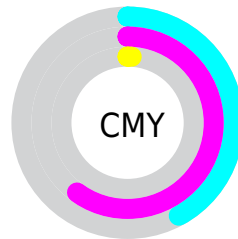


Cyan (41%)

Magenta (59%)

Yellow (0%)

Black (1%)



Cyan (42%)


Magenta (60%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 85.073, 306.557 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, 85.073, 306.557 by changing the saturation by 10% instead.


 55, 85.073,
306.557


 55, 85.073,
306.557


 100, 85.073,
306.557


 45, 85.073,
306.557


 75, 85.073,
306.557

 35, 85.073,
306.557

 85, 85.073,
306.557

 25, 85.073,
306.557

 95, 85.073,
306.557

 15, 85.073,
306.557

 5, 85.073, 306.557

 0, 85.073, 306.557

55, 85.073,
306.557

55, 85.073,
306.557

48, 99.542,
307.430

62, 70.045,
305.624

43, 112.462,
308.104

69, 55.030,
304.711

38, 122.435,
308.399

77, 40.319,
303.862

35, 128.424,
308.198

84, 26.042,
303.096

35, 128.836,
308.180

92, 12.246,
302.415

99, 1.063, 121.881

100, 1.656,
110.008

Harmonies

Complementary

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



55, 85.073, 306.557



93, 74.097, 118.691

Rectangle

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



55, 85.073, 306.557



55, 85.073, 356.557



55, 85.073, 126.557



55, 85.073, 176.557

Sweetspot

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



55, 85.072, 306.558



86, 24.649, 303.012



79, 35.651, 240.452



44, 17.216, 303.223



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, 85.072, 306.558



48, 103.121, 307.576



63, 86.597, 321.200



48, 7.543, 302.435



25, 103.537, 308.337



4, 42.840, 307.287

Inverse Universe

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



66, 72.466, 339.253



62, 83.248, 340.632



90, 84.920, 135.250



49, 7.210, 334.983



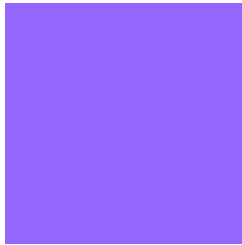
42, 73.503, 345.055



10, 34.101, 342.329

Previews

White Background



This preview shows how the CIE LCh color 55, 85.073, 306.557 looks on a white background.

Color Contrast Check

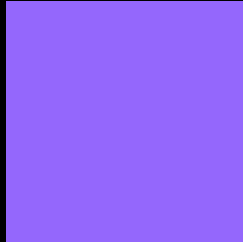
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.073, 306.557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

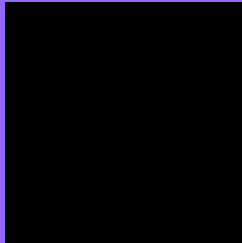
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 85.073, 306.557

Background



This preview shows how black text looks on a background with the CIELCh color 55, 85.073, 306.557.



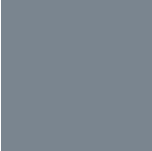
This preview shows how white text looks on a background with the CIELCh color 55, 85.073, 306.557.

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, 85.073, 306.557



Protanomaly
54, 77.754, 293.935



Deuteranomaly
53, 68.846, 286.790



Tritanomaly
54, 35.396, 299.081

Monochromacy



Original Color
55, 85.073, 306.557



Achromatopsia
56, 0.007, 296.813



Achromatomaly
55, 31.727, 303.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 85.073, 306.557 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(148, 103, 252)` looks like.

```
.text, #text, p{  
    color:rgb(148, 103, 252)  
}
```

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(148, 103, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 103, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 85.073, 306.557 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(148, 103, 252) }
```

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

```
.border{ border-color:rgb(148, 103, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 103, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 103, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 103, 252);  
box-shadow:4px 4px 4px 4px rgb(148, 103,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 85.073, 306.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 103, 252) }
```

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

```
.background{ background-color: rgb(148,  
103, 252) }
```

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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