

Converting Colors

CIELCh(55, 76.858, 305.288)

Have a look what the booklet for
CIELCh(55, 76.858, 305.288)
contains.

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Color

CIELCh(55, 76.858, 305.288)

Conversions

Conversions Part 1

Format	Color
Hex	906CF2
RGB	144, 108, 242
RGB Percent	56%, 42%, 95%
CMY	0.4369, 0.5779, 0.0526
CMYK	0.41, 0.55, 0.00, 0.05
HSL	256°, 83%, 68%
HSV	256°, 55%, 95%
XYZ	32.7226, 22.9298, 86.3853
YIQ	134.0400, -21.5580, 49.3060

Conversions

Conversions Part 2

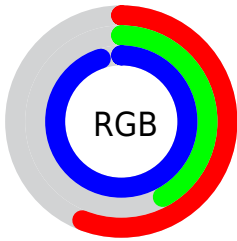
Format	Color
RYB	144, 108, 242
Decimal	9465074
CIELab	55.00, 44.40, -62.74
CIELCh	55, 76.858, 305.288
Yxy	22.9298, 0.2304, 0.1614
Android (android.graphics.Color)	4287655154 (0xFF906CF2)
YUV	134.0400, 53.2243, 8.7349
Hunter-Lab	47.8851, 38.1803, -73.4403

Details

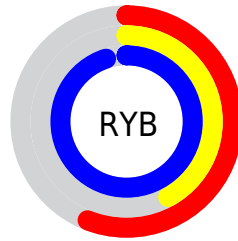
The CIELCh color $55, 76.858, 305.288$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $91, 67.283, 117.392$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 52.811, 308.855$, and $35, 76.707, 305.253$ is the 20% darker color. If you saturate the color by 10%, you get $48, 91.293, 306.308$, and if you desaturate by 10%, it is $62, 62.201, 304.262$.

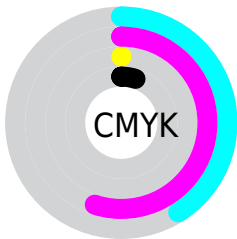
Distribution



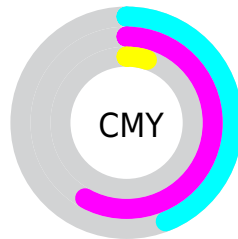
- Red (56%)
- Green (42%)
- Blue (95%)



- Red (56%)
- Yellow (42%)
- Blue (95%)



- Cyan (41%)
- Magenta (55%)
- Yellow (0%)
- Black (5%)




- Cyan (44%)
- Magenta (58%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 76.858, 305.288 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, 76.858, 305.288 by changing the saturation by 10% instead.

 55, 76.858,
305.288


 55, 76.858,
305.288


 100, 76.858,
305.288

 45, 76.858,
305.288


 75, 76.858,
305.288

 35, 76.858,
305.288

 85, 76.858,
305.288

 25, 76.858,
305.288

 95, 76.858,
305.288

 15, 76.858,
305.288

 5, 76.858, 305.288

 0, 76.858, 305.288

55, 76.858,
305.288

55, 76.858,
305.288

48, 91.293,
306.308

62, 62.201,
304.262

42, 104.717,
307.200

69, 47.741,
303.293

37, 115.863,
307.788

77, 33.671,
302.412

34, 123.253,
307.875

84, 20.069,
301.629

33, 125.542,
307.801

91, 6.951, 300.939

99, 5.692, 120.357

100, 6.786,
109.659

Harmonies

Complementary

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



55, 76.858, 305.288



91, 67.283, 117.392

Rectangle

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



55, 76.858, 305.288



55, 76.858, 355.288



55, 76.858, 125.288



55, 76.858, 175.288

Sweetspot

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



55, 76.857, 305.289



87, 23.148, 301.748



78, 32.522, 234.213



45, 15.540, 301.901



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, 76.857, 305.289



50, 97.659, 306.477



62, 78.842, 320.066



46, 7.259, 301.207



24, 101.985, 307.944



4, 38.652, 305.128

Inverse Universe

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



65, 67.945, 337.274



64, 81.947, 338.430



87, 76.830, 134.670



47, 7.136, 333.641



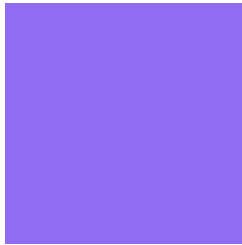
41, 73.645, 342.613



9, 32.997, 340.108

Previews

White Background



This preview shows how the CIELCh color 55, 76.858, 305.288 looks on a white background.

Color Contrast Check

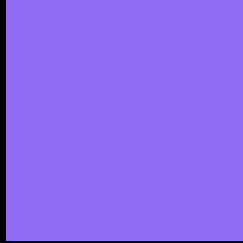
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.858, 305.288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

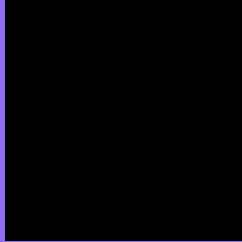
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 76.858, 305.288

Background



This preview shows how black text looks on a background with the CIELCh color 55, 76.858, 305.288.



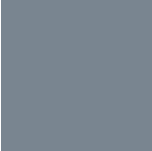
This preview shows how white text looks on a background with the CIELCh color 55, 76.858, 305.288.

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, 7.646, 255.153

Trichromacy



Original Color
55, 76.858, 305.288



Protanomaly
54, 74.373, 292.800



Deuteranomaly
54, 65.812, 287.199



Tritanomaly
54, 31.807, 296.901

Monochromacy



Original Color
55, 76.858, 305.288



Achromatopsia
56, 0.007, 296.813



Achromatomaly
55, 28.681, 302.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 76.858, 305.288 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, 108, 242)` looks like.

```
.text, #text, p{  
    color:rgb(144, 108, 242)  
}
```

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, 108, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 108, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 76.858, 305.288 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, 108, 242) }
```

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

```
.border{ border-color:rgb(144, 108, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 108, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 108, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 108, 242); box-shadow:4px 4px 4px 4px rgb(144, 108, 242) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 76.858, 305.288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 108, 242) }
```

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

```
.background{ background-color: rgb(144,  
108, 242) }
```

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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