

Converting Colors

CIELCh(55, 92.581, 310.416)

Have a look what the booklet for
CIELCh(55, 92.581, 310.416)
contains.

CIELCh(55, 92.171, 310.530)	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, 92.171, 310.530)

Conversions

Conversions Part 1

Format	Color
Hex	A45DFF
RGB	164, 93, 255
RGB Percent	64%, 36%, 100%
CMY	0.3570, 0.6354, 0.0001
CMYK	0.36, 0.64, 0.00, 0.00
HSL	266°, 100%, 68%
HSV	266°, 64%, 100%
XYZ	37.2587, 22.9298, 97.0416
YIQ	132.6970, -9.6860, 65.4340

Conversions

Conversions Part 2

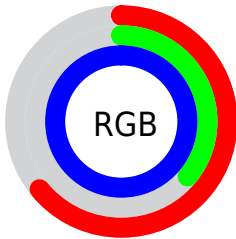
Format	Color
RYB	164, 93, 255
Decimal	10771967
CIELab	55.00, 59.90, -70.06
CIELCh	55, 92.171, 310.530
Yxy	22.9298, 0.2370, 0.1458
Android (android.graphics.Color)	4288962047 (0xFFA45DFF)
YUV	132.6970, 60.2954, 27.4527
Hunter-Lab	47.8851, 55.0892, -86.6346

Details

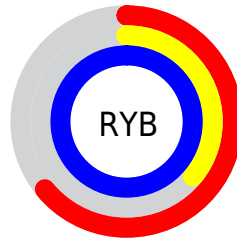
The CIELCh color **55, 92.171, 310.530** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **93, 82.162, 124.098**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 63.226, 317.957**, and **35, 92.165, 310.563** is the 20% darker color. If you saturate the color by 10%, you get **49, 105.356, 310.934**, and if you desaturate by 10%, it is **61, 77.739, 309.971**.

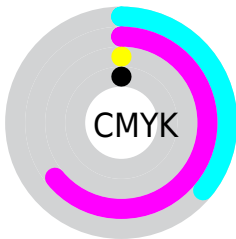
Distribution



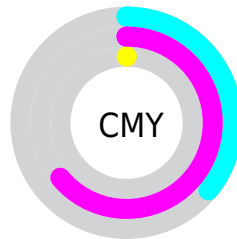
- Red (64%)
- Green (36%)
- Blue (100%)



- Red (64%)
- Yellow (36%)
- Blue (100%)



- Cyan (36%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (64%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 92.171, 310.530 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, 92.171, 310.530 by changing the saturation by 10% instead.


 55, 92.171,
310.530


 55, 92.171,
310.530


 100, 92.171,
310.530


 45, 92.171,
310.530


 75, 92.171,
310.530


 35, 92.171,
310.530


 85, 92.171,
310.530

 25, 92.171,
310.530

 95, 92.171,
310.530

 15, 92.171,
310.530

 5, 92.171, 310.530

 0, 92.171, 310.530

55, 92.171,
310.530

55, 92.171,
310.530

49, 105.356,
310.934

61, 77.739,
309.971

44, 116.239,
311.057

68, 62.814,
309.346

41, 123.689,
310.762

75, 47.859,
308.714

39, 126.718,
310.369

83, 33.134,
308.109

90, 18.772,
307.548

97, 4.834, 307.025

100, 0.005, 95.470

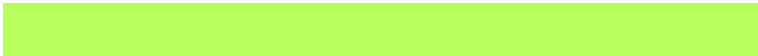
Harmonies

Complementary

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



55, 92.171, 310.530



93, 82.162, 124.098

Rectangle

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



55, 92.171, 310.530



55, 92.171, 0.530



55, 92.171, 130.530



55, 92.171, 180.530

Sweetspot

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



55, 92.170, 310.530



86, 26.572, 307.849



72, 43.253, 261.403



44, 18.366, 308.012



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, 92.170, 310.530



48, 108.309, 310.996



65, 93.792, 325.485



49, 7.837, 307.335



29, 101.866, 310.559



6, 44.919, 311.201

Inverse Universe

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



64, 71.374, 347.480



59, 80.108, 349.928



89, 94.277, 137.653



50, 6.657, 341.183



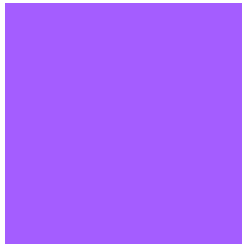
41, 69.311, 356.366



11, 32.583, 351.743

Previews

White Background



This preview shows how the CIELCh color 55, 92.171, 310.530 looks on a white background.

Color Contrast Check

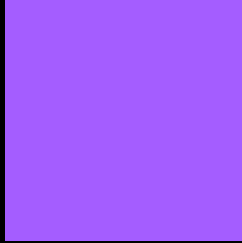
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.171, 310.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

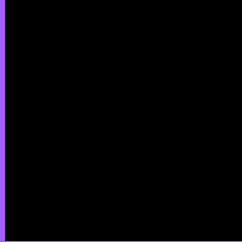
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 92.171, 310.530

Background



This preview shows how black text looks on a background with the CIELCh color 55, 92.171, 310.530.

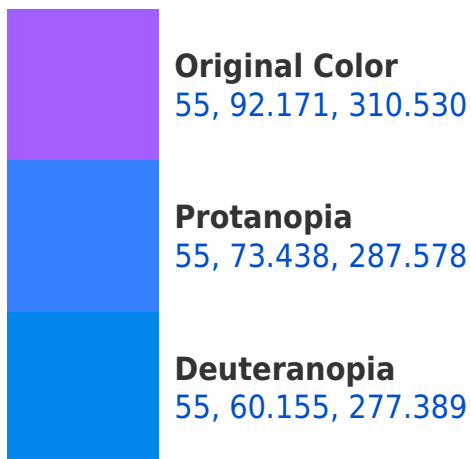



This preview shows how white text looks on a background with the CIELCh color 55, 92.171, 310.530.

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, 7.462, 329.861

Trichromacy



Original Color
55, 92.171, 310.530



Protanomaly
54, 80.038, 295.625



Deuteranomaly
53, 71.681, 289.042



Tritanomaly
54, 39.893, 311.350

Monochromacy



Original Color
55, 92.171, 310.530



Achromatopsia
56, 0.007, 296.813



Achromatomaly
54, 35.332, 308.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 92.171, 310.530 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(164, 93, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 93, 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(164, 93, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 93, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 92.171, 310.530 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(164, 93, 255) }
```

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

```
.border{ border-color:rgb(164, 93, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 93, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 93, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 93, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 93,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 92.171, 310.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 93, 255) }
```

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

```
.background{ background-color: rgb(164, 93,  
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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