

Converting Colors

CIELCh(55, 90.944, 312.264)

Have a look what the booklet for
CIELCh(55, 90.944, 312.264)
contains.

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Color

CIELCh(55, 90.757, 312.166)

Conversions

Conversions Part 1

Format	Color
Hex	AA5BFA
RGB	170, 91, 250
RGB Percent	67%, 36%, 98%
CMY	0.3333, 0.6431, 0.0196
CMYK	0.32, 0.64, 0.00, 0.02
HSL	270°, 94%, 67%
HSV	270°, 64%, 98%
XYZ	37.5731, 22.9298, 92.8873
YIQ	132.7470, -3.9550, 66.1970

Conversions

Conversions Part 2

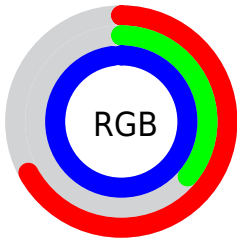
Format	Color
R _{YB}	170, 91, 250
Decimal	11164666
CIE Lab	55.00, 60.92, -67.27
CIE LCh	55, 90.757, 312.166
Yxy	22.9298, 0.2450, 0.1495
Android (android.graphics.Color)	4289354746 (0xFFAA5BFA)
YUV	132.7470, 57.8057, 32.6709
Hunter-Lab	47.8851, 56.2613, -81.4909

Details

The CIELCh color **55, 90.757, 312.166** 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 **91, 82.265, 126.238**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 64.915, 319.569**, and **35, 90.452, 312.243** is the 20% darker color. If you saturate the color by 10%, you get **50, 103.331, 312.446**, and if you desaturate by 10%, it is **61, 76.820, 311.720**.

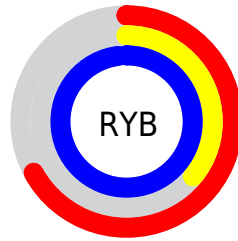
Distribution



Red (67%)

Green (36%)

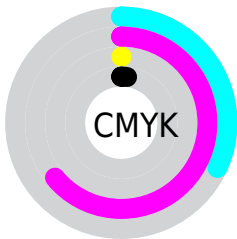
Blue (98%)



Red (67%)

Yellow (36%)

Blue (98%)

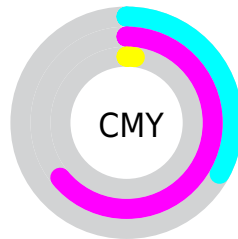


Cyan (32%)

Magenta (64%)

Yellow (0%)

Black (2%)



Cyan (33%)


Magenta (64%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 90.757, 312.166 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, 90.757, 312.166 by changing the saturation by 10% instead.


 55, 90.757,
312.166


 55, 90.757,
312.166


 100, 90.757,
312.166


 45, 90.757,
312.166


 75, 90.757,
312.166

 35, 90.757,
312.166

 85, 90.757,
312.166

 25, 90.757,
312.166

 95, 90.757,
312.166

 15, 90.757,
312.166

 5, 90.757, 312.166

 0, 90.757, 312.166

55, 90.757,
312.166

55, 90.757,
312.166

50, 103.331,
312.446

61, 76.820,
311.720

45, 113.562,
312.447

68, 62.261,
311.191

42, 120.472,
312.052

75, 47.563,
310.638

40, 123.258,
311.615

82, 33.012,
310.094

89, 18.765,
309.580

96, 4.900, 309.089

100, 2.525,
109.959

Harmonies

Complementary

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



55, 90.757, 312.166



91, 82.265, 126.238

Rectangle

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



55, 90.757, 312.166



55, 90.757, 2.166



55, 90.757, 132.166



55, 90.757, 182.166

Sweetspot

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



55, 90.756, 312.166



86, 26.843, 309.854



69, 45.647, 267.541



44, 18.546, 310.003



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, 90.756, 312.166



49, 107.733, 312.477



65, 92.857, 327.065



48, 7.795, 309.378



29, 99.590, 311.809



6, 43.242, 312.595

Inverse Universe

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



62, 68.332, 351.272



59, 78.129, 354.149



88, 93.949, 138.486



49, 6.291, 344.236



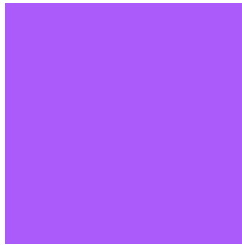
41, 67.607, 1.770



10, 31.095, 355.969

Previews

White Background



This preview shows how the CIELCh color 55, 90.757, 312.166 looks on a white background.

Color Contrast Check

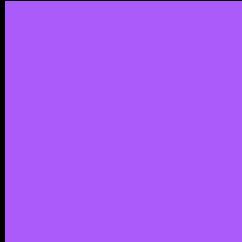
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.757, 312.166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

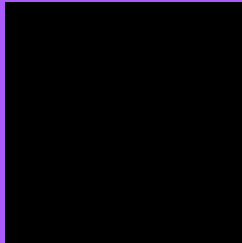
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 90.757, 312.166

Background



This preview shows how black text looks on a background with the CIELCh color 55, 90.757, 312.166.

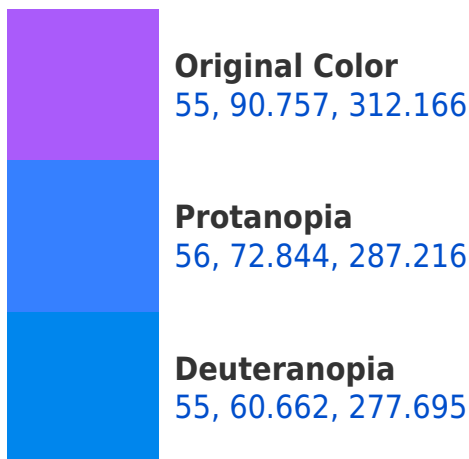


This preview shows how white text looks on a background with the CIELCh color 55, 90.757, 312.166.

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, 10.823, 348.673

Trichromacy



Original Color
55, 90.757, 312.166



Protanomaly
54, 78.921, 295.739



Deuteranomaly
52, 71.710, 289.448



Tritanomaly
54, 39.823, 316.371

Monochromacy



Original Color
55, 90.757, 312.166



Achromatopsia
56, 0.007, 296.813



Achromatomaly
54, 34.952, 310.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 90.757, 312.166 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(170, 91, 250)` looks like.

```
.text, #text, p{  
    color:rgb(170, 91, 250)  
}
```

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(170, 91, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 91, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 90.757, 312.166 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(170, 91, 250) }
```

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

```
.border{ border-color:rgb(170, 91, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 91, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 91, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 91, 250);  
box-shadow:4px 4px 4px 4px rgb(170, 91,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 90.757, 312.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 91, 250) }
```

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

```
.background{ background-color: rgb(170, 91,  
250) }
```

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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