

Converting Colors

CIELCh(55, 86.887, 306.416)

Have a look what the booklet for
CIELCh(55, 86.887, 306.416)
contains.

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Color

CIELCh(55, 87.214, 306.436)

Conversions

Conversions Part 1

Format	Color
Hex	9366FF
RGB	147, 102, 255
RGB Percent	58%, 40%, 100%
CMY	0.4235, 0.6000, 0.0000
CMYK	0.42, 0.60, 0.00, 0.00
HSL	258°, 100%, 70%
HSV	258°, 60%, 100%
XYZ	34.8393, 22.9298, 97.2073
YIQ	132.8970, -22.2930, 57.1230

Conversions

Conversions Part 2

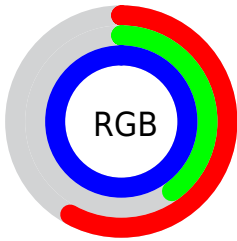
Format	Color
R _Y B	147, 102, 255
Decimal	9660159
CIE _{Lab}	55.00, 51.80, -70.17
CIE _{LCh}	55, 87.214, 306.436
Yxy	22.9298, 0.2248, 0.1480
Android (android.graphics.Color)	4287850239 (0xFF9366FF)
YUV	132.8970, 60.1968, 12.3683
Hunter-Lab	47.8851, 46.0706, -86.8397

Details

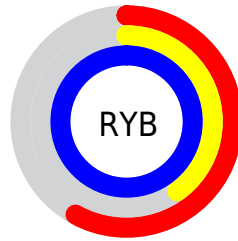
The CIELCh color **55, 87.214, 306.436** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **94, 75.634, 118.336**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 56.883, 311.694**, and **35, 86.995, 306.427** is the 20% darker color. If you saturate the color by 10%, you get **48, 101.783, 307.325**, and if you desaturate by 10%, it is **62, 72.015, 305.481**.

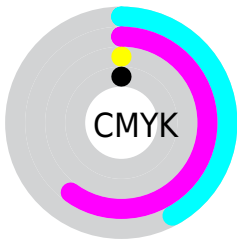
Distribution



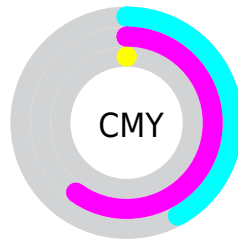
- Red (58%)
- Green (40%)
- Blue (100%)



- Red (58%)
- Yellow (40%)
- Blue (100%)



- Cyan (42%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 87.214, 306.436 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, 87.214, 306.436 by changing the saturation by 10% instead.


 55, 87.214,
306.436


 55, 87.214,
306.436


 100, 87.214,
306.436


 45, 87.214,
306.436

 75, 87.214,
306.436


 35, 87.214,
306.436

 85, 87.214,
306.436

 25, 87.214,
306.436

 95, 87.214,
306.436

 15, 87.214,
306.436

 5, 87.214, 306.436

 0, 87.214, 306.436

■ 55, 87.214,
306.436

■ 55, 87.214,
306.436

■ 48, 101.783,
307.325

■ 62, 72.015,
305.481

■ 43, 114.694,
308.003

■ 70, 56.815,
304.544

■ 38, 124.486,
308.282

■ 77, 41.915,
303.672

■ 35, 130.285,
308.078

■ 85, 27.454,
302.886

■ 35, 130.287,
308.078

■ 92, 13.482,
302.187

100, 0.012,
296.813

Harmonies

Complementary

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



55, 87.214, 306.436



94, 75.634, 118.336

Rectangle

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



55, 87.214, 306.436



55, 87.214, 356.436



55, 87.214, 126.436



55, 87.214, 176.436

Sweetspot

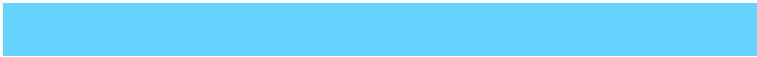
The Sweet Spot groups the original color and five complimentary colors.



55, 87.207, 306.437



86, 24.626, 302.739



80, 36.100, 238.027



44, 17.201, 302.954



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, 87.207, 306.437



47, 104.547, 307.484



64, 88.416, 320.699



49, 7.662, 302.155



26, 104.726, 308.230



5, 44.743, 307.572

Inverse Universe

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



66, 74.376, 338.965



62, 84.342, 340.341



91, 86.421, 134.802



50, 7.371, 334.671



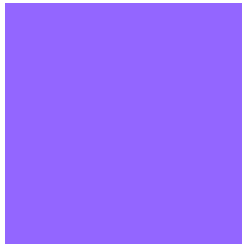
43, 74.594, 344.509



11, 35.138, 341.999

Previews

White Background



This preview shows how the CIELCh color 55, 87.214, 306.436 looks on a white background.

Color Contrast Check

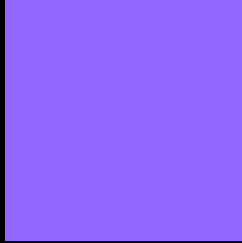
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.214, 306.436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

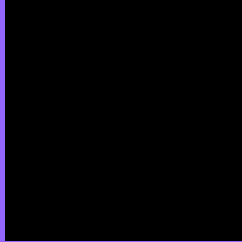
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 87.214, 306.436

Background



This preview shows how black text looks on a background with the CIELCh color 55, 87.214, 306.436.

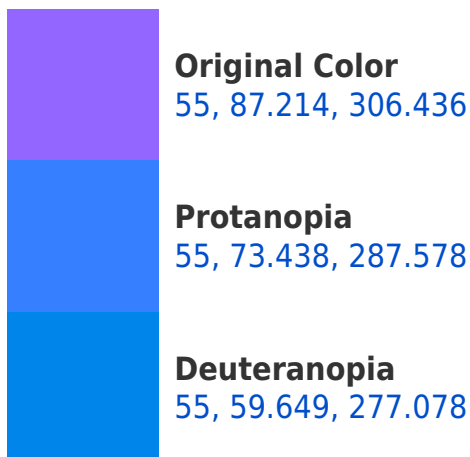


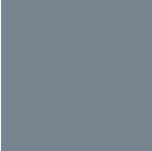
This preview shows how white text looks on a background with the CIELCh color 55, 87.214, 306.436.

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, 7.854, 252.955

Trichromacy



Original Color
55, 87.214, 306.436



Protanomaly
54, 78.295, 294.029



Deuteranomaly
53, 69.459, 287.087



Tritanomaly
54, 35.939, 298.525

Monochromacy



Original Color
55, 87.214, 306.436



Achromatopsia
56, 0.007, 296.813



Achromatomaly
55, 32.287, 303.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 87.214, 306.436 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(147, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 102, 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(147, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 102, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 87.214, 306.436 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(147, 102, 255) }
```

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

```
.border{ border-color:rgb(147, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 102,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 87.214, 306.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 102, 255) }
```

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

```
.background{ background-color: rgb(147,  
102, 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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