

Converting Colors

CIELCh(55, 87.221, 306.278)

Have a look what the booklet for
CIELCh(55, 87.221, 306.278)
contains.

CIELCh(55, 87.222, 306.267)	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, 87.222, 306.267)

Conversions

Conversions Part 1

Format	Color
Hex	9266FF
RGB	146, 102, 255
RGB Percent	57%, 40%, 100%
CMY	0.4263, 0.5990, 0.0000
CMYK	0.43, 0.60, 0.00, 0.00
HSL	257°, 100%, 70%
HSV	257°, 60%, 100%
XYZ	34.7802, 22.9298, 97.4481
YIQ	132.5980, -22.8890, 56.9110

Conversions

Conversions Part 2

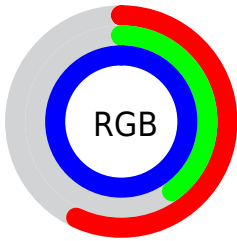
Format	Color
R_{YB}	146, 102, 255
Decimal	9594623
CIE _{Lab}	55.00, 51.60, -70.32
CIE _{LCh}	55, 87.222, 306.267
Yxy	22.9298, 0.2242, 0.1478
Android (android.graphics.Color)	4287784703 (0xFF9266FF)
YUV	132.5980, 60.3442, 11.7536
Hunter-Lab	47.8851, 45.8503, -87.1379

Details

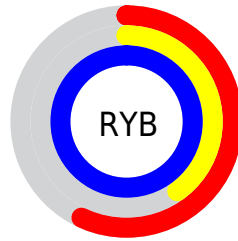
The CIELCh color $55, 87.222, 306.267$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $94, 75.442, 118.087$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 56.812, 311.373$, and $35, 87.041, 306.290$ is the 20% darker color. If you saturate the color by 10%, you get $48, 101.687, 307.187$, and if you desaturate by 10%, it is $62, 71.856, 305.303$.

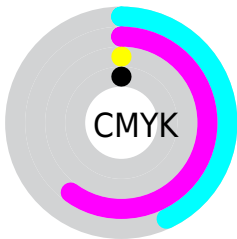
Distribution



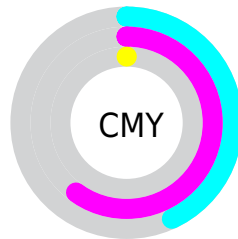
- Red (57%)
- Green (40%)
- Blue (100%)



- Red (57%)
- Yellow (40%)
- Blue (100%)



- Cyan (43%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (60%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 87.222, 306.267 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, 87.222, 306.267 by changing the saturation by 10% instead.

 55, 87.222,
306.267


 55, 87.222,
306.267

 100, 87.222,
306.267


 45, 87.222,
306.267


 75, 87.222,
306.267

 35, 87.222,
306.267

 85, 87.222,
306.267

 25, 87.222,
306.267

 95, 87.222,
306.267

 15, 87.222,
306.267

 5, 87.222, 306.267

 0, 87.222, 306.267

■ 55, 87.222,
306.267

■ 55, 87.222,
306.267

■ 48, 101.687,
307.187

■ 62, 71.856,
305.303

■ 43, 114.660,
307.889

■ 70, 56.648,
304.351

■ 38, 124.524,
308.193

■ 77, 41.751,
303.468

■ 35, 130.362,
308.009

■ 85, 27.299,
302.673

■ 35, 130.412,
308.007

■ 92, 13.340,
301.968

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, 87.222, 306.267



94, 75.442, 118.087

Rectangle

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



55, 87.222, 306.267



55, 87.222, 356.267



55, 87.222, 126.267



55, 87.222, 176.267

Sweetspot

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



55, 87.070, 306.277



86, 24.609, 302.532



80, 36.059, 238.002



44, 17.190, 302.749



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, 87.070, 306.277



47, 104.593, 307.358



64, 88.295, 320.697



49, 7.656, 301.942



26, 104.828, 308.157



5, 44.732, 307.437

Inverse Universe

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



66, 74.561, 338.668



62, 84.653, 340.027



91, 86.303, 134.808



50, 7.402, 334.435



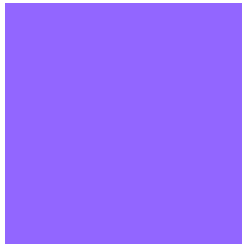
43, 74.877, 344.084



11, 35.263, 341.649

Previews

White Background



This preview shows how the CIELCh color 55, 87.222, 306.267 looks on a white background.

Color Contrast Check

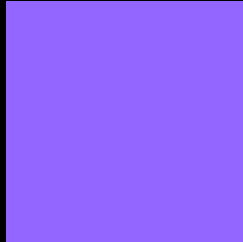
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.222, 306.267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

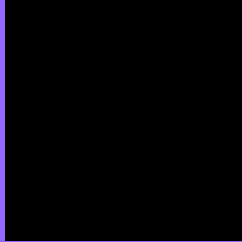
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 87.222, 306.267

Background



This preview shows how black text looks on a background with the CIELCh color 55, 87.222, 306.267.



This preview shows how white text looks on a background with the CIELCh color 55, 87.222, 306.267.

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, 8.072, 250.880

Trichromacy



Original Color
55, 87.222, 306.267



Protanomaly
54, 78.295, 294.029



Deuteranomaly
53, 69.459, 287.087



Tritanomaly
54, 35.918, 298.004

Monochromacy



Original Color
55, 87.222, 306.267



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, 87.222, 306.267 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(146, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 102, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 87.222, 306.267 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(146, 102, 255) }
```

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

```
.border{ border-color:rgb(146, 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(146, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 102,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 87.222, 306.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 102, 255) }
```

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

```
.background{ background-color: rgb(146,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor