

Converting Colors

CIELCh(57, 87.193, 309.742)

Have a look what the booklet for
CIELCh(57, 87.193, 309.742)
contains.

CIELCh(57, 87.162, 309.784)	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(57, 87.162, 309.784)

Conversions

Conversions Part 1

Format	Color
Hex	A666FF
RGB	166, 102, 255
RGB Percent	65%, 40%, 100%
CMY	0.3480, 0.5991, 0.0000
CMYK	0.35, 0.60, 0.00, 0.00
HSL	265°, 100%, 70%
HSV	265°, 60%, 100%
XYZ	38.6497, 24.9227, 97.6068
YIQ	138.5780, -10.9690, 61.1510

Conversions

Conversions Part 2

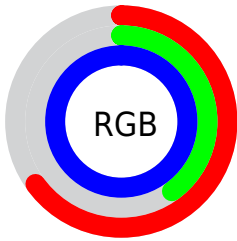
Format	Color
R _Y B	166, 102, 255
Decimal	10905343
CIE _{Lab}	57.00, 55.77, -66.98
CIE _{LCh}	57, 87.162, 309.784
Y _{xy}	24.9227, 0.2398, 0.1546
Android (android.graphics.Color)	4289095423 (0xFFA666FF)
YUV	138.5780, 57.3960, 24.0491
Hunter-Lab	49.9226, 50.8287, -80.9758

Details

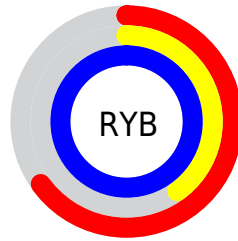
The CIELCh color $57, 87.162, 309.784$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $93, 77.781, 123.437$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 57.822, 317.312$, and $37, 87.018, 309.861$ is the 20% darker color. If you saturate the color by 10%, you get $51, 100.890, 310.321$, and if you desaturate by 10%, it is $64, 72.274, 309.170$.

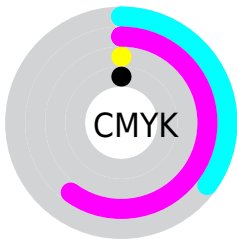
Distribution



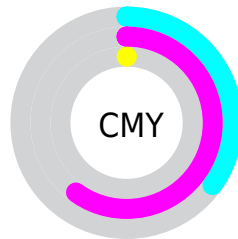
- Red (65%)
- Green (40%)
- Blue (100%)



- Red (65%)
- Yellow (40%)
- Blue (100%)



- Cyan (35%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 87.162, 309.784 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 57, 87.162, 309.784 by changing the saturation by 10% instead.


 57, 87.162,
309.784


 57, 87.162,
309.784


 100, 87.162,
309.784

 47, 87.162,
309.784


 77, 87.162,
309.784

 37, 87.162,
309.784

 87, 87.162,
309.784

 27, 87.162,
309.784

 97, 87.162,
309.784

 17, 87.162,
309.784

 7, 87.162, 309.784

 0, 87.162, 309.784

■ 57, 87.162,
309.784

■ 57, 87.162,
309.784

■ 51, 100.890,
310.321

■ 64, 72.274,
309.170

■ 45, 112.898,
310.610

■ 71, 57.267,
308.504

■ 41, 121.857,
310.524

■ 78, 42.374,
307.853

■ 38, 127.196,
310.009

■ 85, 27.792,
307.242

■ 38, 127.240,
310.004

■ 93, 13.616,
306.682

■ 100, 0.012,
296.813

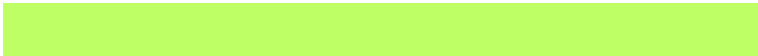
Harmonies

Complementary

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



57, 87.162, 309.784



93, 77.781, 123.437

Rectangle

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



57, 87.162, 309.784



57, 87.162, 359.784



57, 87.162, 129.784



57, 87.162, 179.784

Sweetspot

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



57, 87.027, 309.802



87, 25.057, 307.131



74, 40.270, 257.938



44, 17.490, 307.301



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57, 87.027, 309.802



50, 103.597, 310.405



66, 89.421, 324.863



49, 7.810, 306.660



28, 102.272, 310.191



5, 44.911, 310.694

Inverse Universe

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



65, 68.912, 345.732



61, 78.467, 347.806



90, 89.482, 137.682



50, 6.746, 340.240



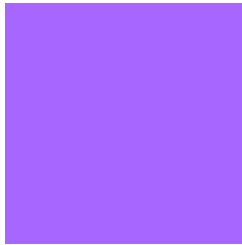
42, 69.799, 354.656



11, 32.855, 350.334

Previews

White Background



This preview shows how the CIELCh color 57, 87.162, 309.784 looks on a white background.

Color Contrast Check

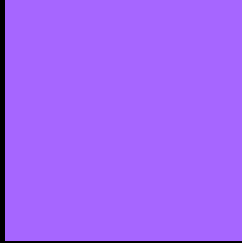
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 87.162, 309.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

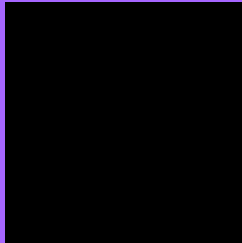
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 87.162, 309.784

Background



This preview shows how black text looks on a background with the CIELCh color 57, 87.162, 309.784.

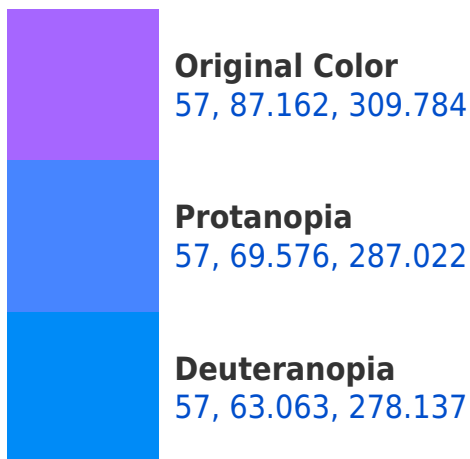


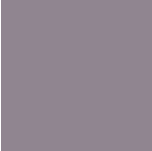
This preview shows how white text looks on a background with the CIELCh color 57, 87.162, 309.784.

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
57, 7.634, 324.821

Trichromacy



Original Color
57, 87.162, 309.784



Protanomaly
56, 75.534, 295.403



Deuteranomaly
55, 71.251, 287.633



Tritanomaly
56, 37.097, 310.182

Monochromacy



Original Color
57, 87.162, 309.784



Achromatopsia
58, 0.007, 296.813



Achromatomaly
57, 32.580, 307.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 87.162, 309.784 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(166, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 102, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 87.162, 309.784 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(166, 102, 255) }
```

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

```
.border{ border-color:rgb(166, 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(166, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 102,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 87.162, 309.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 102, 255) }
```

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

```
.background{ background-color: rgb(166,  
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