

Converting Colors

CIELCh(57, 47.352, 310.525)

Have a look what the booklet for
CIELCh(57, 47.352, 310.525)
contains.

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Color

CIELCh(57, 47.456, 310.664)

Conversions

Conversions Part 1

Format	Color
Hex	9F78C8
RGB	159, 120, 200
RGB Percent	62%, 47%, 78%
CMY	0.3770, 0.5299, 0.2162
CMYK	0.21, 0.40, 0.00, 0.22
HSL	269°, 42%, 63%
HSV	269°, 40%, 78%
XYZ	31.3811, 24.9227, 57.7145
YIQ	140.7810, -2.4360, 33.1480

Conversions

Conversions Part 2

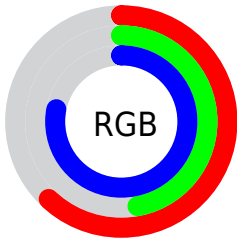
Format	Color
R_{YB}	159, 120, 200
Decimal	10451144
CIE _{Lab}	57.00, 30.92, -36.00
CIE _{LCh}	57, 47.456, 310.664
Yxy	24.9227, 0.2752, 0.2186
Android (android.graphics.Color)	4288641224 (0xFF9F78C8)
YUV	140.7810, 29.1950, 15.9781
Hunter-Lab	49.9226, 24.8398, -33.5981

Details

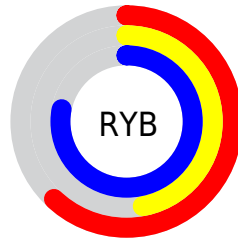
The CIELCh color $57, 47.456, 310.664$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $76, 44.725, 126.751$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 46.293, 311.063$, and $37, 47.387, 310.584$ is the 20% darker color. If you saturate the color by 10%, you get $51, 59.691, 311.214$, and if you desaturate by 10%, it is $63, 35.229, 310.108$.

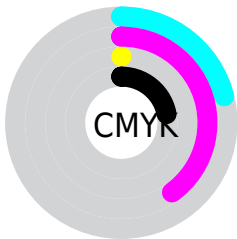
Distribution



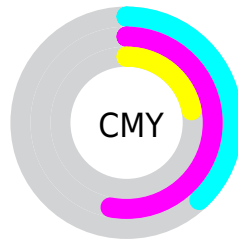
- Red (62%)
- Green (47%)
- Blue (78%)



- Red (62%)
- Yellow (47%)
- Blue (78%)



- Cyan (21%)
- Magenta (40%)
- Yellow (0%)
- Black (22%)



- Cyan (38%)
- Magenta (53%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 47.456, 310.664 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, 47.456, 310.664 by changing the saturation by 10% instead.

 57, 47.456,
310.664

 57, 47.456,
310.664

 100, 47.456,
310.664

 47, 47.456,
310.664

 77, 47.456,
310.664

 37, 47.456,
310.664

 87, 47.456,
310.664

 27, 47.456,
310.664

 97, 47.456,
310.664

 17, 47.456,
310.664

 7, 47.456, 310.664

 0, 47.456, 310.664

57, 47.456,
310.664

57, 47.456,
310.664

51, 59.691,
311.214

63, 35.229,
310.108

46, 71.625,
311.713

69, 23.195,
309.574

41, 82.752,
312.092

75, 11.448,
309.073

37, 92.348,
312.251

81, 0.033, 305.192

34, 99.561,
312.074


86, 11.033,
128.236

31, 104.207,
311.556

92, 21.752,
127.871

97, 29.374,
126.011

98, 28.366,
118.834

 99, 27.855,
111.121

Harmonies

Complementary

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



57, 47.456, 310.664



76, 44.725, 126.751

Rectangle

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



57, 47.456, 310.664



57, 47.456, 0.664



57, 47.456, 130.664



57, 47.456, 180.664

Sweetspot

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



57, 47.454, 310.664



91, 16.757, 309.178



65, 24.608, 260.395



48, 11.136, 309.243



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, 47.454, 310.664



66, 69.768, 311.143



61, 51.796, 326.079



39, 6.447, 309.042



25, 89.510, 311.722



2, 22.318, 305.471

Inverse Universe

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



60, 37.749, 346.884



71, 54.728, 348.039



74, 51.835, 141.056



39, 5.246, 343.708



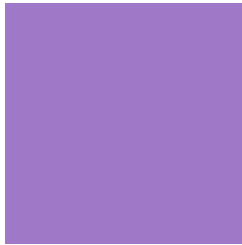
35, 60.882, 0.391



4, 17.982, 352.218

Previews

White Background



This preview shows how the CIELCh color 57, 47.456, 310.664 looks on a white background.

Color Contrast Check

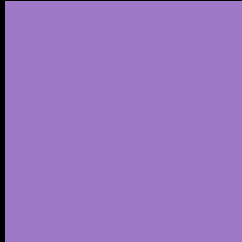
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 57, 47.456, 310.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

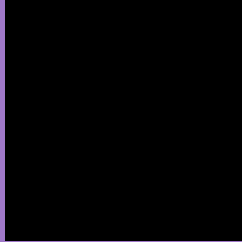
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 47.456, 310.664

Background



This preview shows how black text looks on a background with the CIELCh color 57, 47.456, 310.664.



This preview shows how white text looks on a background with the CIELCh color 57, 47.456, 310.664.

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



Original Color
57, 47.456, 310.664

Protanopia
57, 44.665, 286.004

Deuteranopia
57, 35.109, 283.074



Tritanopia
57, 9.173, 337.282

Trichromacy



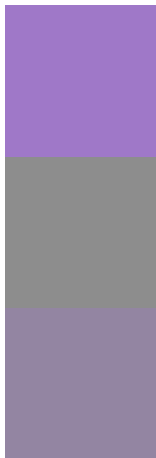
Original Color
57, 47.456, 310.664

Protanomaly
57, 45.078, 294.435

Deuteranomaly
57, 38.844, 294.545

Tritanomaly
57, 22.629, 316.470

Monochromacy



Original Color
57, 47.456, 310.664

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 17.406, 309.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 47.456, 310.664 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(159, 120, 200)` looks like.

```
.text, #text, p{  
    color:rgb(159, 120, 200)  
}
```

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(159, 120, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 120, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 47.456, 310.664 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(159, 120, 200) }
```

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

```
.border{ border-color:rgb(159, 120, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 120, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 120, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 120, 200);  
box-shadow:4px 4px 4px 4px rgb(159, 120,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 47.456, 310.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 120, 200) }
```

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

```
.background{ background-color: rgb(159,  
120, 200) }
```

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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