

# Converting Colors

CIELCh(57, 32.604, 304.406)

Have a look what the booklet for  
CIELCh(57, 32.604, 304.406)  
contains.

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# Color

**CIELCh(57, 32.705, 304.574)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9280B8
RGB	146, 128, 184
RGB Percent	57%, 50%, 72%
CMY	0.4283, 0.4989, 0.2793
CMYK	0.21, 0.30, 0.00, 0.28
HSL	259°, 28%, 61%
HSV	259°, 30%, 72%
XYZ	28.1319, 24.9227, 48.5473
YIQ	139.7660, -7.2480, 21.2320

# Conversions

## Conversions Part 2

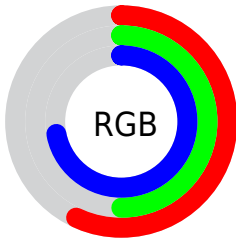
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 128, 184
Decimal	9601208
CIE Lab	57.00, 18.56, -26.93
CIE LCh	57, 32.705, 304.574
Yxy	24.9227, 0.2769, 0.2453
Android (android.graphics.Color)	4287791288 (0xFF9280B8)
YUV	139.7660, 21.8074, 5.4672
Hunter-Lab	49.9226, 13.2220, -22.7108

# Details

The CIELCh color  $57, 32.705, 304.574$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $72, 30.834, 120.906$ , and the grayscale version is  $58, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 32.556, 304.773$ , and  $37, 32.653, 304.166$  is the 20% darker color. If you saturate the color by 10%, you get  $51, 44.114, 305.373$ , and if you desaturate by 10%, it is  $63, 21.605, 303.846$ .

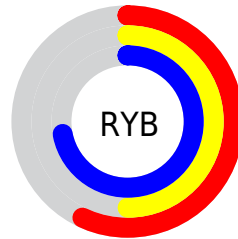
# Distribution



Red (57%)

Green (50%)

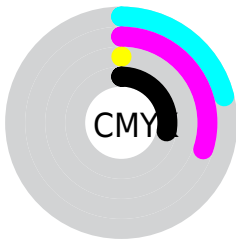
Blue (72%)



Red (57%)

Yellow (50%)

Blue (72%)

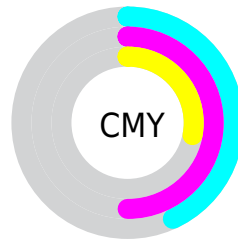


Cyan (21%)

Magenta (30%)

Yellow (0%)

Black (28%)



Cyan (43%)

Magenta (50%)


Yellow (28%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 32.705, 304.574 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, 32.705, 304.574 by changing the saturation by 10% instead.





 57, 32.705,  
304.574


 57, 32.705,  
304.574


 100, 32.705,  
304.574


 47, 32.705,  
304.574


 77, 32.705,  
304.574

 37, 32.705,  
304.574

 87, 32.705,  
304.574

 27, 32.705,  
304.574

 97, 32.705,  
304.574

 17, 32.705,  
304.574

 7, 32.705, 304.574

 0, 32.705, 304.574

57, 32.705,  
304.574

57, 32.705,  
304.574

51, 44.114,  
305.373

63, 21.605,  
303.846

46, 55.727,  
306.224

69, 10.861,  
303.194

40, 67.313,  
307.085

74, 0.482, 302.517

35, 78.437,  
307.877

80, 9.540, 122.132

31, 88.370,  
308.476

86, 19.219,  
121.695


27, 96.097,  
308.717

92, 28.573,  
121.318

25, 101.148,  
308.618

97, 36.841,  
120.477

98, 36.000,  
113.212

 99, 35.791,  
107.450

# Harmonies

# Complementary

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



57, 32.705, 304.574



72, 30.834, 120.906

# Rectangle

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



57, 32.705, 304.574



57, 32.705, 354.574



57, 32.705, 124.574



57, 32.705, 174.574

# Sweetspot

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



57, 32.704, 304.574



88, 11.568, 303.114



66, 15.935, 236.864



46, 8.053, 303.203



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



57, 32.704, 304.574



68, 49.849, 305.139



60, 35.603, 320.656



36, 5.865, 303.125



20, 89.290, 308.741



1, 15.620, 299.512



# Inverse Universe

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



60, 29.925, 337.405



73, 44.962, 338.012



70, 35.169, 137.680



36, 5.515, 335.771



34, 63.133, 346.170

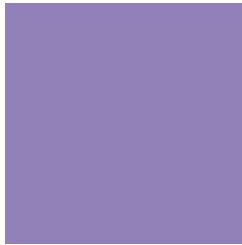


3, 13.817, 340.518



# Previews

## White Background



This preview shows how the CIELCh color 57, 32.705, 304.574 looks on a white background.

## Color Contrast Check

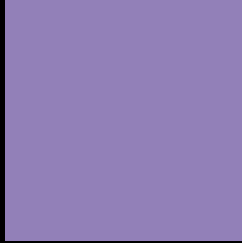
Large Text (above 18pt) WCAG AA ✓ Pass

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, 32.705, 304.574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

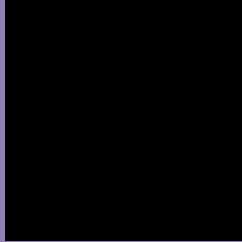
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 32.705, 304.574

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 32.705, 304.574.



This preview shows how white text looks on a background with the CIELCh color 57, 32.705, 304.574.

# 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, 32.705, 304.574

### Protanopia

57, 30.958, 285.369

### Deuteranopia

57, 26.911, 286.182





**Tritanopia**  
57, 6.491, 304.548

# Trichromacy



**Original Color**  
57, 32.705, 304.574

**Protanomaly**  
57, 31.413, 292.558

**Deuteranomaly**  
57, 29.155, 294.157

**Tritanomaly**  
57, 16.415, 303.635

# Monochromacy



**Original Color**  
57, 32.705, 304.574

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
58, 11.654, 302.559

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 32.705, 304.574 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, 128, 184)` looks like.

```
.text, #text, p{  
    color:rgb(146, 128, 184)  
}
```

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, 128, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 128, 184) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 32.705, 304.574 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, 128, 184) }
```

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

```
.border{ border-color:rgb(146, 128, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 128, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 128, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 128, 184);  
box-shadow:4px 4px 4px 4px rgb(146, 128,  
184) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 32.705, 304.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 128, 184) }
```

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

```
.background{ background-color: rgb(146,  
128, 184) }
```

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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