

# Converting Colors

CIELCh(53, 48.557, 307.790)

Have a look what the booklet for  
CIELCh(53, 48.557, 307.790)  
contains.

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**Color**

**CIELCh(53, 48.605, 307.716)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8F6FC1
RGB	143, 111, 193
RGB Percent	56%, 44%, 76%
CMY	0.4394, 0.5648, 0.2433
CMYK	0.26, 0.42, 0.00, 0.24
HSL	263°, 40%, 60%
HSV	263°, 42%, 76%
XYZ	26.6232, 21.0462, 53.0891
YIQ	129.9160, -7.2500, 32.2860

# Conversions

## Conversions Part 2

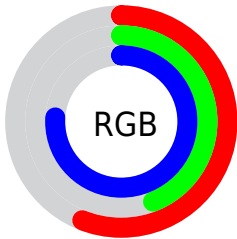
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 111, 193
Decimal	9400257
CIE <sub>Lab</sub>	53.00, 29.73, -38.45
CIE <sub>LCh</sub>	53, 48.605, 307.716
Yxy	21.0462, 0.2642, 0.2089
Android (android.graphics.Color)	4287590337 (0xFF8F6FC1)
YUV	129.9160, 31.1004, 11.4747
Hunter-Lab	45.8761, 23.3054, -36.4987

# Details

The CIELCh color  $53, 48.605, 307.716$  is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be  $74, 44.970, 122.995$ , and the grayscale version is  $54, 0.007, 296.813$ .

A 20% lighter version of the original color is  $73, 48.747, 307.614$ , and  $33, 48.943, 307.756$  is the 20% darker color. If you saturate the color by 10%, you get  $47, 60.605, 308.425$ , and if you desaturate by 10%, it is  $59, 36.689, 307.025$ .

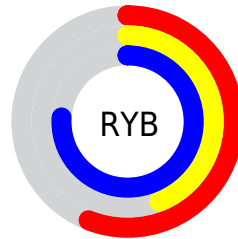
# Distribution



Red (56%)

Green (44%)

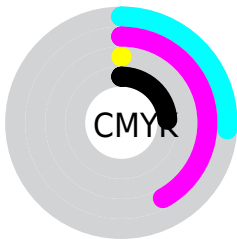
Blue (76%)



Red (56%)

Yellow (44%)

Blue (76%)

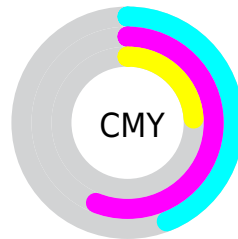


Cyan (26%)

Magenta (42%)

Yellow (0%)

Black (24%)



Cyan (44%)

Magenta (56%)


Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 48.605, 307.716 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 53, 48.605, 307.716 by changing the saturation by 10% instead.





 53, 48.605,  
307.716


 53, 48.605,  
307.716


 100, 48.605,  
307.716


 43, 48.605,  
307.716


 73, 48.605,  
307.716

 33, 48.605,  
307.716

 83, 48.605,  
307.716

 23, 48.605,  
307.716

 93, 48.605,  
307.716

 13, 48.605,  
307.716

 3, 48.605, 307.716

 0, 48.605, 307.716

53, 48.605,  
307.716

53, 48.605,  
307.716

47, 60.605,  
308.425

59, 36.689,  
307.025

42, 72.389,  
309.100

65, 25.021,  
306.378

37, 83.428,  
309.660

71, 13.679,  
305.787

33, 92.925,  
309.981

77, 2.692, 305.238

30, 99.906,  
309.917


82, 7.935, 124.812

28, 103.570,  
309.662

88, 18.210,  
124.398

94, 28.147,  
124.041

97, 32.035,  
119.923

 98, 31.343,  
112.057

# Harmonies

# Complementary

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



53, 48.605, 307.716



74, 44.970, 122.995

# Rectangle

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



53, 48.605, 307.716



53, 48.605, 357.716



53, 48.605, 127.716



53, 48.605, 177.716

# Sweetspot

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



53, 48.604, 307.716



89, 17.580, 305.828



64, 23.086, 248.318



46, 12.343, 305.955



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



53, 48.604, 307.716



61, 72.604, 308.376



57, 52.181, 323.197



38, 6.199, 305.615



22, 90.271, 309.806



2, 19.905, 301.741



# Inverse Universe

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



57, 41.222, 341.832



68, 60.156, 342.880



72, 51.762, 138.541



38, 5.492, 338.836



35, 62.257, 351.712

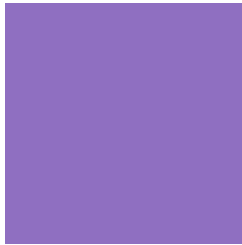


3, 16.987, 345.668



# Previews

## White Background



This preview shows how the CIE LCh color 53, 48.605, 307.716 looks on a white background.

## Color Contrast Check

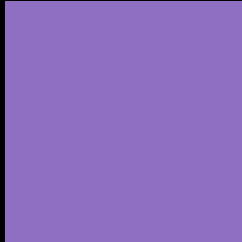
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 48.605, 307.716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

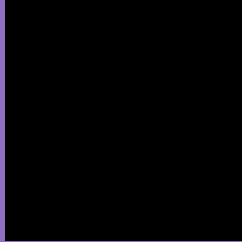
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 53, 48.605, 307.716

## Background



This preview shows how black text looks on a background with the CIELCh color 53, 48.605, 307.716.

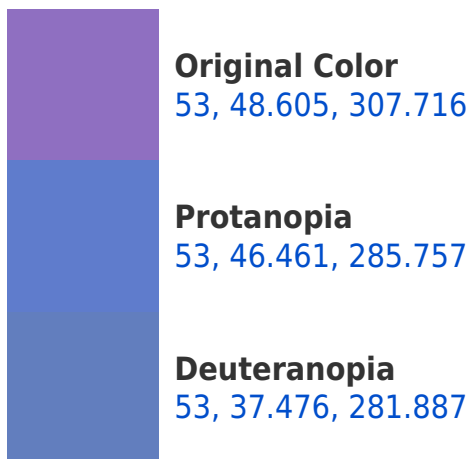


This preview shows how white text looks on a background with the CIELCh color 53, 48.605, 307.716.


# 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**  
53, 6.620, 319.105

# Trichromacy



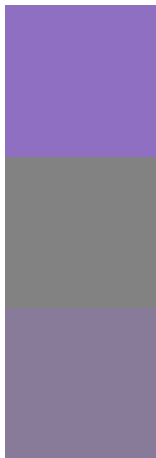
**Original Color**  
53, 48.605, 307.716

**Protanomaly**  
53, 46.840, 293.178

**Deuteranomaly**  
53, 40.485, 291.947

**Tritanomaly**  
53, 21.899, 309.203

# Monochromacy



**Original Color**  
53, 48.605, 307.716

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
54, 17.989, 306.521

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 53, 48.605, 307.716 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(143, 111, 193)` looks like.

```
.text, #text, p{  
    color:rgb(143, 111, 193)  
}
```

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(143, 111, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 111, 193) }
```

## Border

The CSS property to change the border of an element to CIELCh 53, 48.605, 307.716 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(143, 111, 193) }
```

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

```
.border{ border-color:rgb(143, 111, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 111, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 111, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 111, 193);  
box-shadow:4px 4px 4px 4px rgb(143, 111,  
193) }
```

# Background

The CSS property to change the background color of an element to CIELCh 53, 48.605, 307.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 111, 193) }
```

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

```
.background{ background-color: rgb(143,  
111, 193) }
```

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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