

# Converting Colors

CIELCh(54, 44.594, 322.530)

Have a look what the booklet for  
CIELCh(54, 44.594, 322.530)  
contains.

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**Color**

**CIELCh(54, 44.668, 322.633)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A76BB0
RGB	167, 107, 176
RGB Percent	65%, 42%, 69%
CMY	0.3438, 0.5792, 0.3086
CMYK	0.05, 0.39, 0.00, 0.31
HSL	292°, 30%, 56%
HSV	292°, 39%, 69%
XYZ	29.1599, 21.9746, 43.9429
YIQ	132.8060, 13.6110, 34.1790

# Conversions

## Conversions Part 2

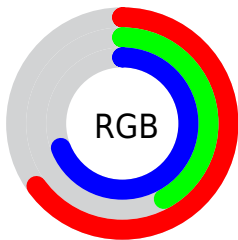
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 107, 176
Decimal	10972080
CIELab	54.00, 35.50, -27.11
CIELCh	54, 44.668, 322.633
Yxy	21.9746, 0.3067, 0.2311
Android (android.graphics.Color)	4289162160 (0xFFA76BB0)
YUV	132.8060, 21.2946, 29.9881
Hunter-Lab	46.8770, 29.0014, -22.7650

# Details

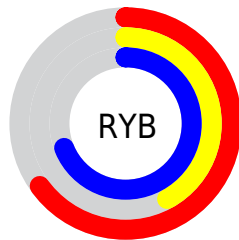
The CIELCh color  $54, 44.668, 322.633$  is a light color, and the websafe version is hex  $996699$ . A complement of this color would be  $67, 44.251, 138.483$ , and the grayscale version is  $55, 0.007, 296.813$ .

A 20% lighter version of the original color is  $74, 44.444, 322.467$ , and  $34, 44.902, 322.937$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 55.504, 323.023$ , and if you desaturate by 10%, it is  $58, 33.350, 322.196$ .

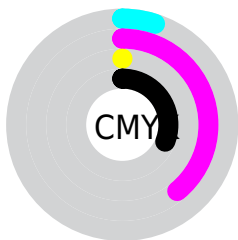
# Distribution



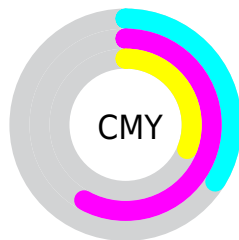
- Red (65%)
- Green (42%)
- Blue (69%)



- Red (65%)
- Yellow (42%)
- Blue (69%)



- Cyan (5%)
- Magenta (39%)
- Yellow (0%)
- Black (31%)



- Cyan (34%)
- Magenta (58%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 44.668, 322.633 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 54, 44.668, 322.633 by changing the saturation by 10% instead.




 54, 44.668,  
322.633

 54, 44.668,  
322.633

 100, 44.668,  
322.633

 44, 44.668,  
322.633


 74, 44.668,  
322.633

 34, 44.668,  
322.633

 84, 44.668,  
322.633

 24, 44.668,  
322.633

 94, 44.668,  
322.633

 14, 44.668,  
322.633

 4, 44.668, 322.633

 0, 44.668, 322.633

54, 44.668,  
322.633

54, 44.668,  
322.633

50, 55.504,  
323.023

58, 33.350,  
322.196

46, 65.476,  
323.337

63, 21.849,  
321.732

43, 74.115,  
323.545

68, 10.370,  
321.255

41, 80.947,  
323.613

72, 0.954, 141.030

39, 85.609,  
323.513

77, 12.037,  
140.384

38, 88.280,  
323.258

82, 22.835,  
139.950

38, 88.489,  
323.235

87, 33.324,  
139.546

92, 43.498,  
139.170

■ 94, 46.980,  
138.555

# Harmonies

# Complementary

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



54, 44.668, 322.633



67, 44.251, 138.483

# Rectangle

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



54, 44.668, 322.633



54, 44.668, 12.633



54, 44.668, 142.633



54, 44.668, 192.633

# Sweetspot

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



54, 44.666, 322.633



84, 16.901, 321.403



51, 34.939, 289.738



44, 11.208, 321.463



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



54, 44.666, 322.633



65, 65.896, 322.975



54, 35.935, 340.284



35, 6.489, 321.264



32, 79.693, 323.289



2, 15.329, 319.104



# Inverse Universe

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



53, 29.431, 13.263



64, 44.532, 14.904



67, 35.233, 153.621



35, 3.962, 9.431



31, 65.914, 33.397



2, 9.271, 11.091



# Previews

## White Background



This preview shows how the CIELCh color 54, 44.668, 322.633 looks on a white background.

## Color Contrast Check

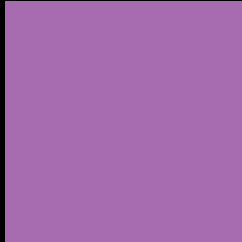
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 44.668, 322.633 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

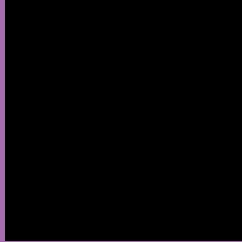
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 54, 44.668, 322.633

## Background



This preview shows how black text looks on a background with the CIELCh color 54, 44.668, 322.633.

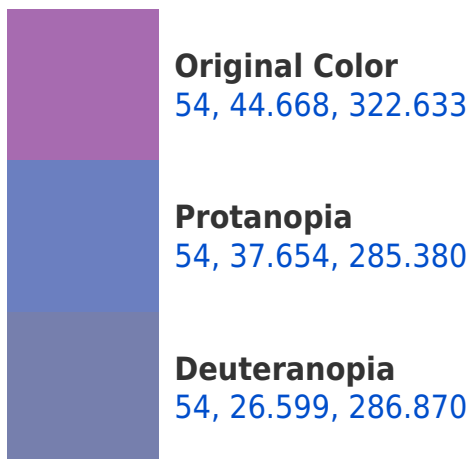


This preview shows how white text looks on a background with the CIELCh color 54, 44.668, 322.633.

# 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**  
54, 17.926, 4.924

# Trichromacy



**Original Color**  
54, 44.668, 322.633

**Protanomaly**  
54, 38.329, 298.984

**Deuteranomaly**  
54, 31.812, 303.768

**Tritanomaly**  
54, 25.965, 339.463

# Monochromacy



**Original Color**  
54, 44.668, 322.633

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
55, 16.533, 320.732

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 44.668, 322.633 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(167, 107, 176)` looks like.

```
.text, #text, p{  
    color:rgb(167, 107, 176)  
}
```

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(167, 107, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 107, 176) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 44.668, 322.633 is called "border". The border property can be set on classes, ids or directly on the HTML element.

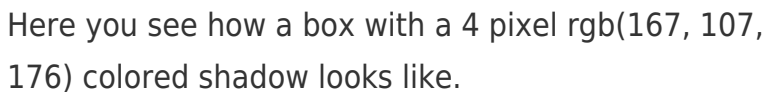
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 107, 176) }
```

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

```
.border{ border-color:rgb(167, 107, 176) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 107, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 107, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 107, 176); box-shadow:4px 4px 4px 4px rgb(167, 107, 176) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 44.668, 322.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 107, 176) }
```

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

```
.background{ background-color: rgb(167,  
107, 176) }
```

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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