

# Converting Colors

CIELCh(54, 26.712, 325.795)

Have a look what the booklet for  
CIELCh(54, 26.712, 325.795)  
contains.

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**Color**

**CIELCh(54, 26.841, 325.776)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9B749B
RGB	155, 116, 155
RGB Percent	61%, 45%, 61%
CMY	0.3905, 0.5435, 0.3905
CMYK	0.00, 0.25, 0.00, 0.39
HSL	300°, 16%, 53%
HSV	300°, 25%, 61%
XYZ	25.8423, 21.9746, 34.0748
YIQ	132.1070, 10.7250, 20.3970

# Conversions

## Conversions Part 2

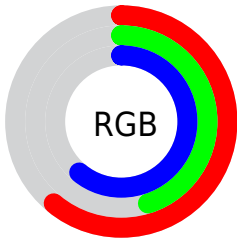
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	155, 116, 155
Decimal	10187931
CIE Lab	54.00, 22.19, -15.10
CIE LCh	54, 26.841, 325.776
Yxy	21.9746, 0.3156, 0.2683
Android (android.graphics.Color)	4288378011 (0xFF9B749B)
YUV	132.1070, 11.2862, 20.0772
Hunter-Lab	46.8770, 16.3685, -10.2839

# Details

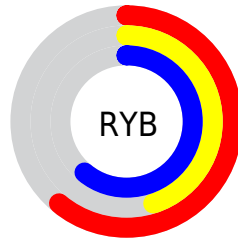
The CIELCh color  $54, 26.841, 325.776$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $60, 26.829, 142.809$ , and the grayscale version is  $55, 0.007, 296.813$ .

A 20% lighter version of the original color is  $74, 27.320, 325.525$ , and  $34, 27.076, 325.462$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 37.368, 326.292$ , and if you desaturate by 10%, it is  $58, 16.125, 325.240$ .

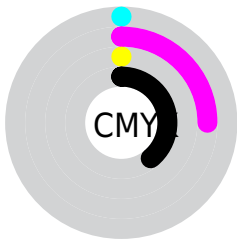
# Distribution



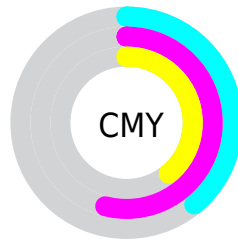
- Red (61%)
- Green (45%)
- Blue (61%)



- Red (61%)
- Yellow (45%)
- Blue (61%)



- Cyan (0%)
- Magenta (25%)
- Yellow (0%)
- Black (39%)




- Cyan (39%)
- Magenta (54%)
- Yellow (39%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 26.841, 325.776 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, 26.841, 325.776 by changing the saturation by 10% instead.





 54, 26.841,  
325.776


 54, 26.841,  
325.776


 100, 26.841,  
325.776


 44, 26.841,  
325.776


 74, 26.841,  
325.776

 34, 26.841,  
325.776

 84, 26.841,  
325.776

 24, 26.841,  
325.776

 94, 26.841,  
325.776

 14, 26.841,  
325.776

 4, 26.841, 325.776

 0, 26.841, 325.776

54, 26.841,  
325.776

54, 26.841,  
325.776

50, 37.368,  
326.292

58, 16.125,  
325.240

47, 47.445,  
326.774

62, 5.422, 324.678

66, 5.137, 144.229

44, 56.729,  
327.208

70, 15.468,  
143.684

41, 64.831,  
327.577

75, 25.521,  
143.180

39, 71.366,  
327.868

79, 35.272,  
142.702

38, 76.046,  
328.073


84, 44.715,  
142.251

37, 78.804,  
328.192

88, 53.851,  
141.827

37, 79.835,

328.237

 92, 61.970,  
141.462

# Harmonies

# Complementary

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



54, 26.841, 325.776



60, 26.829, 142.809

# Rectangle

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



54, 26.841, 325.776



54, 26.841, 15.776



54, 26.841, 145.776



54, 26.841, 195.776

# Sweetspot

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



54, 26.839, 325.776



77, 10.514, 324.856



50, 22.837, 293.060



40, 7.538, 324.937



91, 0.011, 296.813



43, 0.006, 296.813





# Same Dimension

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



54, 26.839, 325.776



66, 39.558, 326.062



53, 19.116, 345.856



30, 5.940, 324.916



33, 74.063, 328.237



1, 6.385, 324.442



# Inverse Universe

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



54, 26.839, 325.776



66, 39.558, 326.062



61, 18.541, 161.448



30, 5.940, 324.916



33, 74.063, 328.237

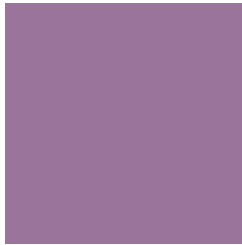


1, 6.385, 324.442



# Previews

## White Background



This preview shows how the CIELCh color 54, 26.841, 325.776 looks on a white background.

## Color Contrast Check

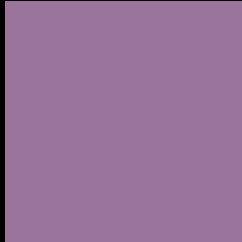
Large Text (above 18pt) WCAG AA ✓ Pass

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, 26.841, 325.776 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

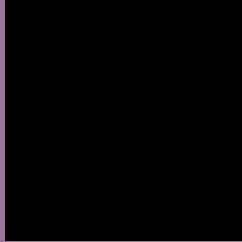
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 54, 26.841, 325.776**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 54, 26.841, 325.776.



This preview shows how white text looks on a background with the CIELCh color 54, 26.841, 325.776.

# 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

54, 26.841, 325.776


### Protanopia

54, 20.257, 285.692

### Deuteranopia

54, 16.269, 297.285





**Tritanopia**  
54, 13.556, 358.651

# Trichromacy



**Original Color**  
54, 26.841, 325.776

**Protanomaly**  
54, 21.180, 302.449

**Deuteranomaly**  
54, 19.493, 310.011

**Tritanomaly**  
54, 17.658, 340.918

# Monochromacy



**Original Color**  
54, 26.841, 325.776

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
55, 9.765, 324.948

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 26.841, 325.776 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(155, 116, 155)` looks like.

```
.text, #text, p{  
    color:rgb(155, 116, 155)  
}
```

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(155, 116, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 116, 155) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 26.841, 325.776 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(155, 116, 155) }
```

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

```
.border{ border-color:rgb(155, 116, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 116, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 116, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 116, 155);  
box-shadow:4px 4px 4px 4px rgb(155, 116,  
155) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 26.841, 325.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 116, 155) }
```

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

```
.background{ background-color: rgb(155,  
116, 155) }
```

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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