

# Converting Colors

CIELCh(46, 24.564, 343.694)

Have a look what the booklet for  
CIELCh(46, 24.564, 343.694)  
contains.

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**Color**

**CIELCh(46, 24.256, 343.728)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8E5F79
RGB	142, 95, 121
RGB Percent	56%, 37%, 47%
CMY	0.4438, 0.6281, 0.5261
CMYK	0.00, 0.33, 0.15, 0.44
HSL	327°, 20%, 46%
HSV	327°, 33%, 56%
XYZ	18.6459, 15.2687, 20.0019
YIQ	112.0170, 19.6660, 18.0500

# Conversions

## Conversions Part 2

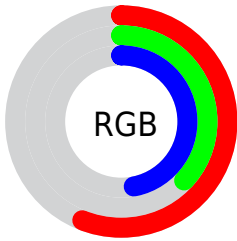
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 95, 121
Decimal	9330553
CIE Lab	46.00, 23.28, -6.80
CIE LCh	46, 24.256, 343.728
Yxy	15.2687, 0.3458, 0.2832
Android (android.graphics.Color)	4287520633 (0xFF8E5F79)
YUV	112.0170, 4.4286, 26.2951
Hunter-Lab	39.0751, 16.7950, -2.9970

# Details

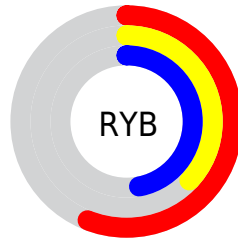
The CIELCh color  $46, 24.256, 343.728$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $55, 23.550, 157.967$ , and the grayscale version is  $47, 0.006, 296.813$ .

A 20% lighter version of the original color is  $66, 24.075, 343.746$ , and  $26, 23.955, 344.756$  is the 20% darker color. If you saturate the color by 10%, you get  $42, 31.451, 344.813$ , and if you desaturate by 10%, it is  $50, 16.883, 342.764$ .

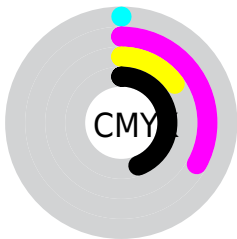
# Distribution



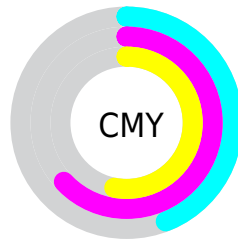
- Red (56%)
- Green (37%)
- Blue (47%)



- Red (56%)
- Yellow (37%)
- Blue (47%)



- Cyan (0%)
- Magenta (33%)
- Yellow (15%)
- Black (44%)



- Cyan (44%)
- Magenta (63%)
- Yellow (53%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 24.256, 343.728 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 46, 24.256, 343.728 by changing the saturation by 10% instead.



 46, 24.256,  
343.728


 46, 24.256,  
343.728


 100, 24.256,  
343.728

 36, 24.256,  
343.728

 66, 24.256,  
343.728


 26, 24.256,  
343.728

 76, 24.256,  
343.728

 16, 24.256,  
343.728

 86, 24.256,  
343.728

 6, 24.256, 343.728

 96, 24.256,  
343.728

 0, 24.256, 343.728

 46, 24.256,

 46, 24.256,

343.728

42, 31.451,  
344.813

39, 38.230,  
346.055

36, 44.276,  
347.514

34, 49.234,  
349.273

32, 52.778,  
351.441

31, 54.735,  
354.150

30, 55.640,  
356.197

343.728

50, 16.883,  
342.764

54, 9.509, 341.884

58, 2.244, 340.993

62, 4.847, 160.463

66, 11.729,  
159.755

70, 18.388,  
159.123

74, 24.823,  
158.539

78, 31.043,  
157.996

83, 37.057,



# Harmonies

# Complementary

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



46, 24.256, 343.728



55, 23.550, 157.967

# Rectangle

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



46, 24.256, 343.728



46, 24.256, 33.728



46, 24.256, 163.728



46, 24.256, 213.728

# Sweetspot

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



46, 24.254, 343.729



70, 8.917, 341.638



44, 29.247, 308.444



36, 6.069, 341.741



88, 0.010, 296.813



39, 0.006, 296.813





# Same Dimension

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



46, 24.254, 343.729



56, 36.069, 344.552



45, 20.535, 17.105



28, 4.097, 341.551



29, 53.760, 356.023



1, 2.740, 340.888



# Inverse Universe

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



46, 24.254, 343.729



56, 36.069, 344.552



56, 16.931, 191.651



28, 4.097, 341.551



29, 53.760, 356.023

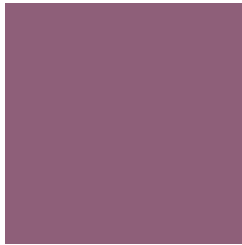


1, 2.740, 340.888



# Previews

## White Background



This preview shows how the CIE LCh color 46, 24.256, 343.728 looks on a white background.

## Color Contrast Check

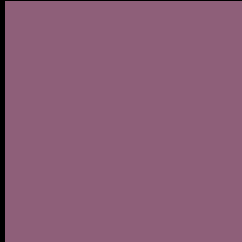
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 46, 24.256, 343.728 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

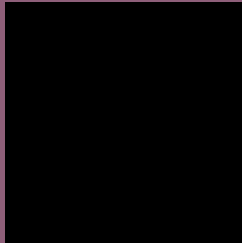
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 46, 24.256, 343.728

## Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.256, 343.728.



This preview shows how white text looks on a background with the CIELCh color 46, 24.256, 343.728.

# 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

46, 24.256, 343.728

### Protanopia

46, 13.103, 287.059

### Deuteranopia

46, 8.741, 318.317





**Tritanopia**  
46, 18.325, 8.985

# Trichromacy



**Original Color**  
46, 24.256, 343.728

**Protanomaly**  
46, 15.508, 314.078

**Deuteranomaly**  
46, 14.157, 332.258

**Tritanomaly**  
46, 20.053, 358.036

# Monochromacy



**Original Color**  
46, 24.256, 343.728

**Achromatopsia**  
47, 0.006, 296.813

**Achromatomaly**  
47, 8.771, 343.162

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 46, 24.256, 343.728 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(142, 95, 121)` looks like.

```
.text, #text, p{  
    color:rgb(142, 95, 121)  
}
```

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(142, 95, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 95, 121) }
```

## Border

The CSS property to change the border of an element to CIELCh 46, 24.256, 343.728 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(142, 95, 121) }
```

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

```
.border{ border-color:rgb(142, 95, 121) }
```

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

Here you see how a box with a 4 pixel rgb(142, 95, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 95, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 95, 121);  
box-shadow:4px 4px 4px 4px rgb(142, 95,  
121) }
```

# Background

The CSS property to change the background color of an element to CIELCh 46, 24.256, 343.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 95, 121) }
```

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

```
.background{ background-color: rgb(142, 95,  
121) }
```

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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