

# Converting Colors

CIELCh(46, 36.679, 319.435)

Have a look what the booklet for  
CIELCh(46, 36.679, 319.435)  
contains.

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**Color**

**CIELCh(46, 36.634, 319.425)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	885D95
RGB	136, 93, 149
RGB Percent	53%, 36%, 58%
CMY	0.4662, 0.6348, 0.4152
CMYK	0.09, 0.38, 0.00, 0.42
HSL	286°, 23%, 48%
HSV	286°, 38%, 58%
XYZ	19.5339, 15.2687, 30.4050
YIQ	112.2410, 7.6520, 26.5320

# Conversions

## Conversions Part 2

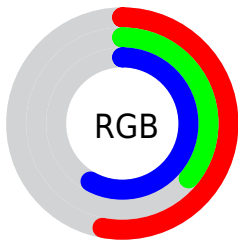
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	136, 93, 149
Decimal	8936853
CIE <sub>Lab</sub>	46.00, 27.83, -23.83
CIE <sub>LCh</sub>	46, 36.634, 319.425
Yxy	15.2687, 0.2996, 0.2342
Android (android.graphics.Color)	4287126933 (0xFF885D95)
YUV	112.2410, 18.1222, 20.8366
Hunter-Lab	39.0751, 20.8519, -18.7819

# Details

The CIELCh color  $46, 36.634, 319.425$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $57, 35.926, 135.912$ , and the grayscale version is  $47, 0.006, 296.813$ .

A 20% lighter version of the original color is  $66, 36.510, 319.467$ , and  $26, 36.329, 319.355$  is the 20% darker color. If you saturate the color by 10%, you get  $42, 46.203, 319.802$ , and if you desaturate by 10%, it is  $50, 26.828, 319.009$ .

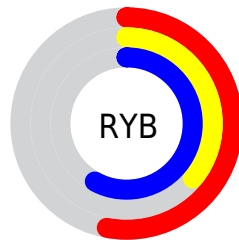
# Distribution



Red (53%)

Green (36%)

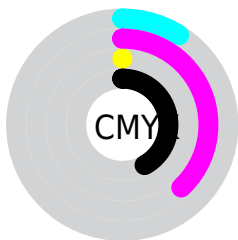
Blue (58%)



Red (53%)

Yellow (36%)

Blue (58%)

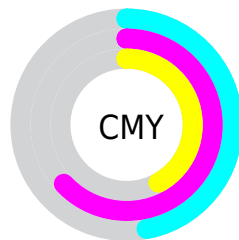


Cyan (9%)

Magenta (38%)

Yellow (0%)

Black (42%)



Cyan (47%)

Magenta (63%)


Yellow (42%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 36.634, 319.425 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, 36.634, 319.425 by changing the saturation by 10% instead.





 46, 36.634,  
319.425


 46, 36.634,  
319.425


 100, 36.634,  
319.425


 36, 36.634,  
319.425

 66, 36.634,  
319.425


 26, 36.634,  
319.425

 76, 36.634,  
319.425

 16, 36.634,  
319.425

 86, 36.634,  
319.425

 6, 36.634, 319.425

 96, 36.634,  
319.425

 0, 36.634, 319.425

 46, 36.634,

 46, 36.634,

319.425

42, 46.203,  
319.802

39, 55.254,  
320.110

35, 63.408,  
320.308

33, 70.224,  
320.350

31, 75.280,  
320.188

29, 78.532,  
319.816

29, 79.277,  
319.725

319.425

50, 26.828,  
319.009

54, 16.990,  
318.576

58, 7.250, 318.136

63, 2.310, 137.813

67, 11.644,  
137.364

72, 20.728,  
136.988

76, 29.553,  
136.643

80, 38.120,  
136.327

■ 85, 46.436,  
136.039

# Harmonies

# Complementary

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



46, 36.634, 319.425



57, 35.926, 135.912

# Rectangle

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



46, 36.634, 319.425



46, 36.634, 9.425



46, 36.634, 139.425



46, 36.634, 189.425

# Sweetspot

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



46, 36.632, 319.425



72, 13.112, 318.299



45, 25.778, 283.931



37, 8.794, 318.352



89, 0.011, 296.813



41, 0.006, 296.813





# Same Dimension

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



46, 36.632, 319.425



55, 54.194, 319.744



47, 32.192, 335.564



29, 5.392, 318.209



26, 74.783, 319.781



1, 4.677, 317.840



# Inverse Universe

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



46, 24.809, 5.214



55, 37.165, 6.677



57, 31.929, 149.919



29, 3.500, 1.612



28, 56.957, 25.456

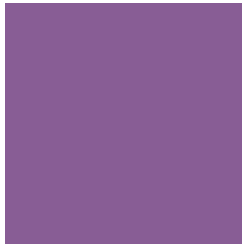


1, 2.997, 0.830



# Previews

## White Background



This preview shows how the CIELCh color 46, 36.634, 319.425 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 CIELCh color 46, 36.634, 319.425 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

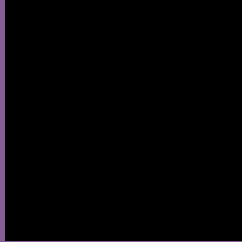
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 46, 36.634, 319.425

## Background



This preview shows how black text looks on a background with the CIELCh color 46, 36.634, 319.425.



This preview shows how white text looks on a background with the CIELCh color 46, 36.634, 319.425.

# 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, 36.634, 319.425

### Protanopia

46, 32.214, 286.001

### Deuteranopia

46, 22.679, 285.359





**Tritanopia**  
46, 13.008, 359.868

# Trichromacy



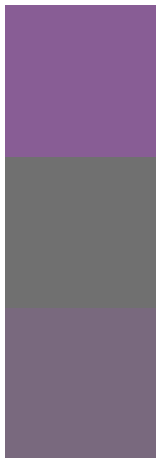
**Original Color**  
46, 36.634, 319.425

**Protanomaly**  
46, 32.867, 298.000

**Deuteranomaly**  
46, 26.512, 301.317

**Tritanomaly**  
46, 20.499, 333.428

# Monochromacy



**Original Color**  
46, 36.634, 319.425

**Achromatopsia**  
47, 0.006, 296.813

**Achromatomaly**  
47, 14.017, 318.341

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 46, 36.634, 319.425 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(136, 93, 149)` looks like.

```
.text, #text, p{  
    color:rgb(136, 93, 149)  
}
```

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(136, 93, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 93, 149) }
```

## Border

The CSS property to change the border of an element to CIELCh 46, 36.634, 319.425 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(136, 93, 149) }
```

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

```
.border{ border-color:rgb(136, 93, 149) }
```

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

Here you see how a box with a 4 pixel rgb(136, 93, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 93, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 93, 149);  
box-shadow:4px 4px 4px 4px rgb(136, 93,  
149) }
```

# Background

The CSS property to change the background color of an element to CIELCh 46, 36.634, 319.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 93, 149) }
```

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

```
.background{ background-color: rgb(136, 93,  
149) }
```

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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