

# Converting Colors

CIELCh(46, 16.097, 326.088)

Have a look what the booklet for  
CIELCh(46, 16.097, 326.088)  
contains.

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**Color**

**CIELCh(46, 15.974, 326.600)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7D667C
RGB	125, 102, 124
RGB Percent	49%, 40%, 49%
CMY	0.5105, 0.6006, 0.5144
CMYK	0.00, 0.18, 0.01, 0.51
HSL	303°, 10%, 44%
HSV	303°, 18%, 49%
XYZ	16.7952, 15.2687, 21.0745
YIQ	111.3850, 6.6460, 11.7180

# Conversions

## Conversions Part 2

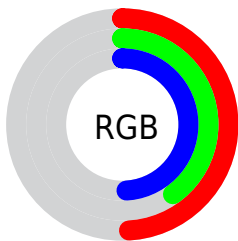
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 102, 124
Decimal	8218236
CIE Lab	46.00, 13.34, -8.79
CIE LCh	46, 15.974, 326.600
Yxy	15.2687, 0.3161, 0.2873
Android (android.graphics.Color)	4286408316 (0xFF7D667C)
YUV	111.3850, 6.2192, 11.9404
Hunter-Lab	39.0751, 8.3411, -4.6244

# Details

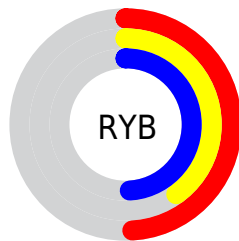
The CIELCh color  $46, 15.974, 326.600$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $50, 15.955, 144.507$ , and the grayscale version is  $47, 0.006, 296.813$ .

A 20% lighter version of the original color is  $66, 16.294, 326.287$ , and  $26, 15.875, 327.128$  is the 20% darker color. If you saturate the color by 10%, you get  $43, 24.648, 327.139$ , and if you desaturate by 10%, it is  $49, 7.268, 326.048$ .

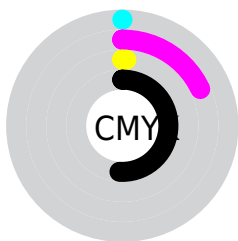
# Distribution



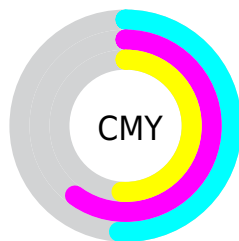
- Red (49%)
- Green (40%)
- Blue (49%)



- Red (49%)
- Yellow (40%)
- Blue (49%)



- Cyan (0%)
- Magenta (18%)
- Yellow (1%)
- Black (51%)




- Cyan (51%)
- Magenta (60%)
- Yellow (51%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 15.974, 326.600 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, 15.974, 326.600 by changing the saturation by 10% instead.





 46, 15.974,  
326.600


 46, 15.974,  
326.600


 100, 15.974,  
326.600


 36, 15.974,  
326.600

 66, 15.974,  
326.600


 26, 15.974,  
326.600

 76, 15.974,  
326.600

 16, 15.974,  
326.600


 86, 15.974,  
326.600

 6, 15.974, 326.600

 96, 15.974,  
326.600

 0, 15.974, 326.600

 46, 15.974,

 46, 15.974,

326.600

326.600

43, 24.648,  
327.139

49, 7.268, 326.048

40, 33.129,  
327.663

53, 1.348, 145.683

37, 41.187,  
328.161

56, 9.800, 145.042

34, 48.540,  
328.622

60, 18.042,  
144.532

32, 54.871,  
329.035

64, 26.052,  
144.048

31, 59.875,  
329.390

67, 33.820,  
143.589

29, 63.333,  
329.687

71, 41.347,  
143.156

29, 65.537,  
329.938

75, 48.638,  
142.748

79, 55.705,

■ 29, 65.878,  
329.977

142.365

# Harmonies

# Complementary

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



46, 15.974, 326.600



50, 15.955, 144.507

# Rectangle

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



46, 15.974, 326.600



46, 15.974, 16.600



46, 15.974, 146.600



46, 15.974, 196.600

# Sweetspot

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



46, 15.972, 326.600



64, 6.442, 325.917



44, 13.810, 293.328



33, 4.252, 325.946



84, 0.010, 296.813



35, 0.005, 296.813





# Same Dimension

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



46, 15.972, 326.600



58, 23.771, 326.824



46, 11.412, 347.051



24, 4.787, 326.084



29, 65.923, 329.977



59, 110.775, 330.076



# Inverse Universe

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



46, 15.972, 326.600



58, 23.771, 326.824



50, 11.121, 163.939



24, 4.787, 326.084



29, 65.923, 329.977

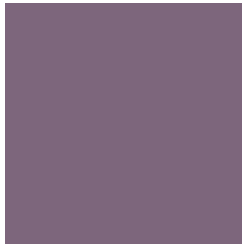


59, 110.775, 330.076



# Previews

## White Background



This preview shows how the CIELCh color 46, 15.974, 326.600 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, 15.974, 326.600 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, 15.974, 326.600**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 46, 15.974, 326.600.



This preview shows how white text looks on a background with the CIELCh color 46, 15.974, 326.600.

# 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, 15.974, 326.600

### Protanopia

46, 11.922, 286.372

### Deuteranopia

46, 10.527, 306.594





**Tritanopia**  
46, 9.165, 349.467

# Trichromacy



**Original Color**  
46, 15.974, 326.600

**Protanomaly**  
46, 12.172, 302.740

**Deuteranomaly**  
46, 12.476, 315.844

**Tritanomaly**  
46, 11.532, 338.966

# Monochromacy



**Original Color**  
46, 15.974, 326.600

**Achromatopsia**  
47, 0.006, 296.813

**Achromatomaly**  
47, 5.770, 324.771

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 46, 15.974, 326.600 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(125, 102, 124)` looks like.

```
.text, #text, p{  
    color:rgb(125, 102, 124)  
}
```

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(125, 102, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 102, 124) }
```

## Border

The CSS property to change the border of an element to CIELCh 46, 15.974, 326.600 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(125, 102, 124) }
```

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

```
.border{ border-color:rgb(125, 102, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 102, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 102, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 102, 124);  
box-shadow:4px 4px 4px 4px rgb(125, 102,  
124) }
```

# Background

The CSS property to change the background color of an element to CIELCh 46, 15.974, 326.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 102, 124) }
```

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

```
.background{ background-color: rgb(125,  
102, 124) }
```

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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