

# Converting Colors

CIELCh(46, 11.620, 325.087)

Have a look what the booklet for  
CIELCh(46, 11.620, 325.087)  
contains.

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# Color

**CIELCh(46, 11.508, 325.123)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	786878
RGB	120, 104, 120
RGB Percent	47%, 41%, 47%
CMY	0.5292, 0.5919, 0.5292
CMYK	0.00, 0.13, 0.00, 0.53
HSL	300°, 7%, 44%
HSV	300°, 13%, 47%
XYZ	16.1054, 15.2687, 19.8881
YIQ	110.6080, 4.4000, 8.3680

# Conversions

## Conversions Part 2

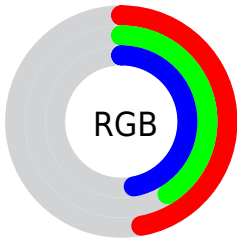
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 104, 120
Decimal	7891064
CIE Lab	46.00, 9.44, -6.58
CIE LCh	46, 11.508, 325.123
Yxy	15.2687, 0.3142, 0.2979
Android (android.graphics.Color)	4286081144 (0xFF786878)
YUV	110.6080, 4.6303, 8.2368
Hunter-Lab	39.0751, 5.1901, -2.8243

# Details

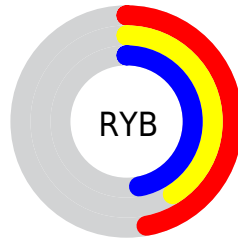
The CIELCh color  $46, 11.508, 325.123$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $49, 11.493, 143.688$ , and the grayscale version is  $47, 0.006, 296.813$ .

A 20% lighter version of the original color is  $66, 11.434, 324.955$ , and  $26, 11.585, 323.570$  is the 20% darker color. If you saturate the color by 10%, you get  $43, 20.190, 325.650$ , and if you desaturate by 10%, it is  $49, 2.857, 324.554$ .

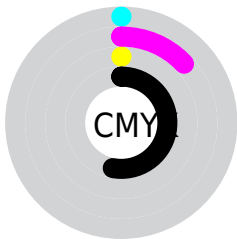
# Distribution



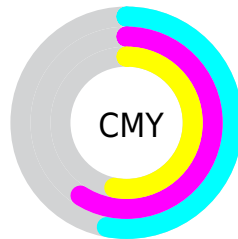
- Red (47%)
- Green (41%)
- Blue (47%)



- Red (47%)
- Yellow (41%)
- Blue (47%)



- Cyan (0%)
- Magenta (13%)
- Yellow (0%)
- Black (53%)




- Cyan (53%)
- Magenta (59%)
- Yellow (53%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 11.508, 325.123 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, 11.508, 325.123 by changing the saturation by 10% instead.





 46, 11.508,  
325.123


 46, 11.508,  
325.123


 100, 11.508,  
325.123


 36, 11.508,  
325.123

 66, 11.508,  
325.123


 26, 11.508,  
325.123

 76, 11.508,  
325.123

 16, 11.508,  
325.123


 86, 11.508,  
325.123

 6, 11.508, 325.123

 96, 11.508,  
325.123

 0, 11.508, 325.123

 46, 11.508,

 46, 11.508,

325.123

43, 20.190,  
325.650

40, 28.769,  
326.159

37, 37.050,  
326.640

34, 44.787,  
327.079

32, 51.684,  
327.461

30, 57.440,  
327.772

29, 61.795,  
328.003

28, 64.637,  
328.152

325.123

49, 2.857, 324.554

53, 5.663, 144.131

56, 13.995,  
143.610

60, 22.104,  
143.122

63, 29.973,  
142.658

67, 37.597,  
142.219

70, 44.980,  
141.807

74, 52.129,  
141.420

■ 28, 66.209,  
328.233

■ 78, 59.055,  
141.059

# Harmonies

# Complementary

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



46, 11.508, 325.123



49, 11.493, 143.688

# Rectangle

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



46, 11.508, 325.123



46, 11.508, 15.123



46, 11.508, 145.123



46, 11.508, 195.123

# Sweetspot

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



46, 11.506, 325.123



63, 4.249, 324.606



45, 9.577, 291.528



32, 3.044, 324.646



83, 0.010, 296.813



34, 0.005, 296.813





# Same Dimension

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



46, 11.506, 325.123



58, 17.098, 325.286



46, 8.126, 344.697



24, 4.930, 324.894



29, 68.131, 328.233



60, 114.689, 328.233



# Inverse Universe

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



46, 11.506, 325.123



58, 17.098, 325.286



49, 7.994, 162.605



24, 4.930, 324.894



29, 68.131, 328.233



60, 114.689, 328.233



# Previews

## White Background



This preview shows how the CIELCh color 46, 11.508, 325.123 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, 11.508, 325.123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

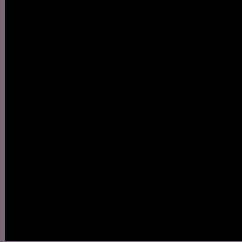
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 46, 11.508, 325.123

## Background



This preview shows how black text looks on a background with the CIELCh color 46, 11.508, 325.123.



This preview shows how white text looks on a background with the CIELCh color 46, 11.508, 325.123.

# 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, 11.508, 325.123

### Protanopia

46, 8.923, 288.931

### Deuteranopia

46, 9.106, 314.349





**Tritanopia**  
46, 7.462, 340.839

# Trichromacy



**Original Color**  
46, 11.508, 325.123

**Protanomaly**  
46, 9.168, 303.713

**Deuteranomaly**  
46, 10.170, 319.324

**Tritanomaly**  
46, 8.684, 331.716

# Monochromacy



**Original Color**  
46, 11.508, 325.123

**Achromatopsia**  
47, 0.006, 296.813

**Achromatomaly**  
46, 4.337, 324.676

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 46, 11.508, 325.123 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(120, 104, 120)` looks like.

```
.text, #text, p{  
    color:rgb(120, 104, 120)  
}
```

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(120, 104, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 104, 120) }
```

## Border

The CSS property to change the border of an element to CIELCh 46, 11.508, 325.123 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(120, 104, 120) }
```

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

```
.border{ border-color:rgb(120, 104, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 104, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 104, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 104, 120);  
box-shadow:4px 4px 4px 4px rgb(120, 104,  
120) }
```

# Background

The CSS property to change the background color of an element to CIELCh 46, 11.508, 325.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 104, 120) }
```

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

```
.background{ background-color: rgb(120,  
104, 120) }
```

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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