

# Converting Colors

CIELCh(46, 11.520, 351.156)

Have a look what the booklet for  
CIELCh(46, 11.520, 351.156)  
contains.

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**Color**

**CIELCh(46, 11.265, 352.718)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7F6770
RGB	127, 103, 112
RGB Percent	50%, 40%, 44%
CMY	0.5035, 0.5975, 0.5623
CMYK	0.00, 0.19, 0.12, 0.50
HSL	337°, 10%, 45%
HSV	337°, 19%, 50%
XYZ	16.4100, 15.2687, 17.3001
YIQ	111.2020, 11.4150, 7.8870

# Conversions

## Conversions Part 2

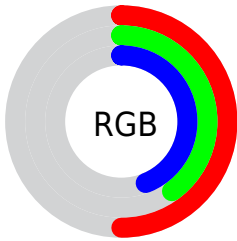
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 103, 112
Decimal	8349552
CIE <sub>Lab</sub>	46.00, 11.17, -1.43
CIE <sub>LCh</sub>	46, 11.265, 352.718
Yxy	15.2687, 0.3350, 0.3117
Android (android.graphics.Color)	4286539632 (0xFF7F6770)
YUV	111.2020, 0.3934, 13.8548
Hunter-Lab	39.0751, 6.5814, 1.1025

# Details

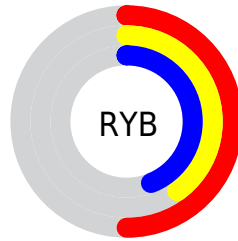
The CIELCh color  $46, 11.265, 352.718$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $51, 10.828, 169.303$ , and the grayscale version is  $47, 0.006, 296.813$ .

A 20% lighter version of the original color is  $66, 11.444, 351.685$ , and  $26, 11.291, 354.321$  is the 20% darker color. If you saturate the color by 10%, you get  $42, 17.418, 353.857$ , and if you desaturate by 10%, it is  $50, 5.237, 351.704$ .

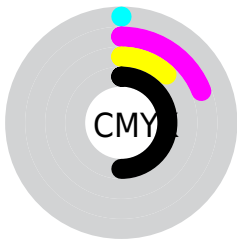
# Distribution



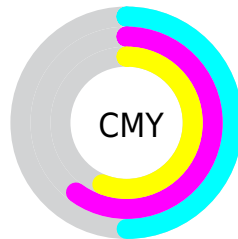
- Red (50%)
- Green (40%)
- Blue (44%)



- Red (50%)
- Yellow (40%)
- Blue (44%)



- Cyan (0%)
- Magenta (19%)
- Yellow (12%)
- Black (50%)




- Cyan (50%)
- Magenta (60%)
- Yellow (56%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 11.265, 352.718 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, 11.265, 352.718 by changing the saturation by 10% instead.





 46, 11.265,  
352.718


 46, 11.265,  
352.718


 100, 11.265,  
352.718


 36, 11.265,  
352.718

 66, 11.265,  
352.718


 26, 11.265,  
352.718

 76, 11.265,  
352.718

 16, 11.265,  
352.718


 86, 11.265,  
352.718

 6, 11.265, 352.718

 96, 11.265,  
352.718

 0, 11.265, 352.718

 46, 11.265,

 46, 11.265,

352.718

42, 17.418,  
353.857

39, 23.600,  
355.171

36, 29.654,  
356.727

33, 35.361,  
358.611

30, 40.453, 0.939

28, 44.659, 3.857

27, 47.800, 7.524

26, 50.244, 11.759

26, 50.525, 12.191

352.718

50, 5.237, 351.704

53, 0.604, 171.425

57, 6.231, 170.159

61, 11.637,  
169.425

65, 16.824,  
168.768

69, 21.804,  
168.169

73, 26.589,  
167.618

77, 31.197,  
167.108

80, 35.640,



# Harmonies

# Complementary

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



46, 11.265, 352.718



51, 10.828, 169.303

# Rectangle

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



46, 11.265, 352.718



46, 11.265, 42.718



46, 11.265, 172.718



46, 11.265, 222.718

# Sweetspot

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



46, 11.263, 352.722



65, 4.360, 351.421



46, 15.478, 313.807



34, 2.917, 351.475



85, 0.010, 296.813



36, 0.005, 296.813





# Same Dimension

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



46, 11.263, 352.722



57, 17.150, 353.227



47, 9.209, 30.717



25, 3.321, 351.720



26, 50.786, 12.232



0, 0.000, 0.000



# Inverse Universe

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



46, 11.263, 352.722



57, 17.150, 353.227



50, 8.147, 210.249



25, 3.321, 351.720



26, 50.786, 12.232



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 46, 11.265, 352.718 looks on a white background.

## Color Contrast Check

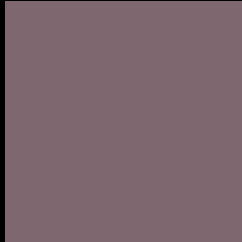
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.265, 352.718 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

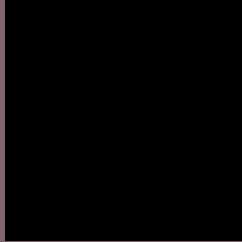
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 46, 11.265, 352.718

## Background



This preview shows how black text looks on a background with the CIELCh color 46, 11.265, 352.718.

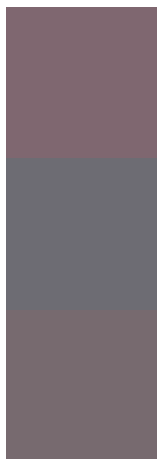


This preview shows how white text looks on a background with the CIELCh color 46, 11.265, 352.718.

# 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, 11.265, 352.718

### Protanopia

46, 4.192, 296.228

### Deuteranopia

46, 6.133, 351.283





**Tritanopia**  
46, 10.647, 354.430

# Trichromacy



**Original Color**  
46, 11.265, 352.718

**Protanomaly**  
46, 6.026, 328.011

**Deuteranomaly**  
46, 7.882, 353.632

**Tritanomaly**  
46, 10.647, 354.430

# Monochromacy



**Original Color**  
46, 11.265, 352.718

**Achromatopsia**  
47, 0.006, 296.813

**Achromatomaly**  
47, 4.115, 354.296

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 46, 11.265, 352.718 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(127, 103, 112)` looks like.

```
.text, #text, p{  
    color:rgb(127, 103, 112)  
}
```

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(127, 103, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 103, 112) }
```

## Border

The CSS property to change the border of an element to CIELCh 46, 11.265, 352.718 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(127, 103, 112) }
```

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

```
.border{ border-color:rgb(127, 103, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 103, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 103, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 103, 112);  
box-shadow:4px 4px 4px 4px rgb(127, 103,  
112) }
```

# Background

The CSS property to change the background color of an element to CIELCh 46, 11.265, 352.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 103, 112) }
```

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

```
.background{ background-color: rgb(127,  
103, 112) }
```

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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