

Converting Colors

CIELCh(46, 8.017, 325.950)

Have a look what the booklet for
CIELCh(46, 8.017, 325.950) contains.

CIELCh(46, 7.932, 324.910)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 7.932, 324.910)

Conversions

Conversions Part 1

Format	Color
Hex	756A75
RGB	117, 106, 117
RGB Percent	46%, 42%, 46%
CMY	0.5426, 0.5857, 0.5426
CMYK	0.00, 0.09, 0.00, 0.54
HSL	300°, 5%, 44%
HSV	300°, 9%, 46%
XYZ	15.5957, 15.2687, 18.8445
YIQ	110.5430, 3.0250, 5.7530

Conversions

Conversions Part 2

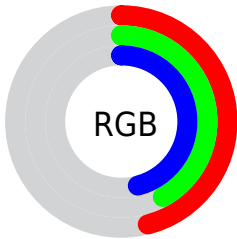
Format	Color
RYB	117, 106, 117
Decimal	7694965
CIELab	46.00, 6.49, -4.56
CIELCh	46, 7.932, 324.910
Yxy	15.2687, 0.3137, 0.3072
Android (android.graphics.Color)	4285885045 (0xFF756A75)
YUV	110.5430, 3.1833, 5.6628
Hunter-Lab	39.0751, 2.8614, -1.2408

Details

The CIELCh color $46, 7.932, 324.910$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 7.918, 143.938$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 8.084, 324.796$, and $26, 7.916, 325.129$ is the 20% darker color. If you saturate the color by 10%, you get $43, 16.411, 325.442$, and if you desaturate by 10%, it is $49, 0.475, 144.778$.

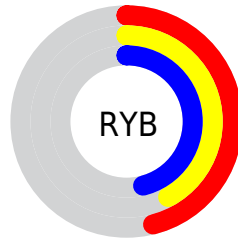
Distribution



Red (46%)

Green (42%)

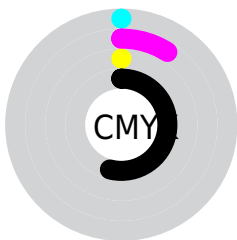
Blue (46%)



Red (46%)

Yellow (42%)

Blue (46%)

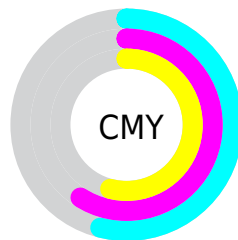


Cyan (0%)

Magenta (9%)

Yellow (0%)

Black (54%)



Cyan (54%)

Magenta (59%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 7.932, 324.910 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, 7.932, 324.910 by changing the saturation by 10% instead.

■ 46, 7.932, 324.910

■ 46, 7.932, 324.910

■ 100, 7.932,
324.910

■ 36, 7.932, 324.910

■ 66, 7.932, 324.910

■ 26, 7.932, 324.910

■ 76, 7.932, 324.910

■ 16, 7.932, 324.910

■ 86, 7.932, 324.910

■ 6, 7.932, 324.910

■ 96, 7.932, 324.910

■ 0, 7.932, 324.910

■ 46, 7.932, 324.910

■ 46, 7.932, 324.910

■ 43, 16.411,
325.442

■ 49, 0.475, 144.778

■ 40, 24.848,

■ 53, 8.730, 143.923

325.958

56, 16.785,
143.419

37, 33.078,
326.450

60, 24.615,
142.941

34, 40.880,
326.906

63, 32.209,
142.488

32, 47.986,
327.312

66, 39.565,
142.061

30, 54.098,
327.652

70, 46.688,
141.659

29, 58.940,
327.917

73, 53.588,
141.283

28, 62.323,
328.098

77, 60.274,
140.933

27, 64.714,
328.225

Harmonies

Complementary

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



46, 7.932, 324.910



48, 7.918, 143.938

Rectangle

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



46, 7.932, 324.910



46, 7.932, 14.910



46, 7.932, 144.910



46, 7.932, 194.910

Sweetspot

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



46, 7.930, 324.910



61, 3.100, 324.534



45, 6.453, 290.447



32, 2.369, 324.584



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 7.930, 324.910



58, 11.414, 325.010



46, 5.650, 343.453



23, 4.757, 324.889



28, 67.130, 328.232



59, 113.811, 328.232

Inverse Universe

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



46, 4.591, 19.891



57, 6.647, 20.031



48, 5.586, 162.075



23, 2.751, 19.862



24, 59.042, 37.987



52, 102.986, 40.000

Previews

White Background



This preview shows how the CIELCh color 46, 7.932, 324.910 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, 7.932, 324.910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

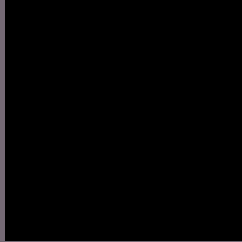
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 7.932, 324.910

Background



This preview shows how black text looks on a background with the CIELCh color 46, 7.932, 324.910.



This preview shows how white text looks on a background with the CIELCh color 46, 7.932, 324.910.

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

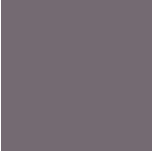
46, 7.932, 324.910

Protanopia

46, 5.950, 291.006

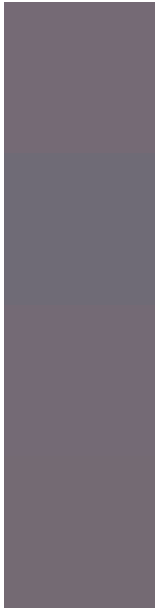
Deuteranopia

46, 7.714, 322.387



Tritanopia
46, 6.282, 331.003

Trichromacy



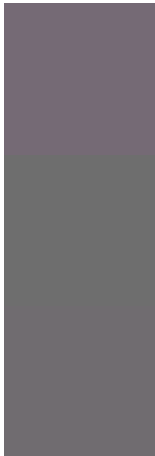
Original Color
46, 7.932, 324.910

Protanomaly
46, 6.762, 304.636

Deuteranomaly
46, 7.714, 322.387

Tritanomaly
46, 6.741, 327.716

Monochromacy



Original Color
46, 7.932, 324.910

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 2.898, 324.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 7.932, 324.910 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(117, 106, 117)` looks like.

```
.text, #text, p{  
    color:rgb(117, 106, 117)  
}
```

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(117, 106, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 106, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 7.932, 324.910 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(117, 106, 117) }
```

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

```
.border{ border-color:rgb(117, 106, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 106, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 106, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 106, 117);  
box-shadow:4px 4px 4px 4px rgb(117, 106,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 7.932, 324.910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 106, 117) }
```

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

```
.background{ background-color: rgb(117,  
106, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor