

Converting Colors

CIELCh(46, 6.827, 317.627)

Have a look what the booklet for
CIELCh(46, 6.827, 317.627) contains.

CIELCh(46, 7.325, 316.950)	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, 7.325, 316.950)

Conversions

Conversions Part 1

Format	Color
Hex	726A75
RGB	114, 106, 117
RGB Percent	45%, 42%, 46%
CMY	0.5516, 0.5830, 0.5399
CMYK	0.03, 0.09, 0.00, 0.54
HSL	284°, 5%, 44%
HSV	284°, 9%, 46%
XYZ	15.4020, 15.2687, 19.0688
YIQ	109.6460, 1.2370, 5.1170

Conversions

Conversions Part 2

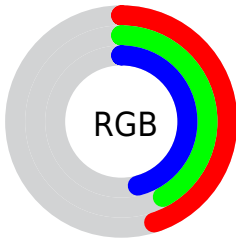
Format	Color
R_{YB}	114, 106, 117
Decimal	7498357
CIE Lab	46.00, 5.35, -5.00
CIE LCh	46, 7.325, 316.950
Yxy	15.2687, 0.3097, 0.3070
Android (android.graphics.Color)	4285688437 (0xFF726A75)
YUV	109.6460, 3.6255, 3.8185
Hunter-Lab	39.0751, 1.9769, -1.5812

Details

The CIELCh color $46, 7.325, 316.950$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 7.271, 136.220$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 7.506, 317.568$, and $26, 7.273, 316.262$ is the 20% darker color. If you saturate the color by 10%, you get $42, 15.268, 317.371$, and if you desaturate by 10%, it is $50, 0.474, 136.836$.

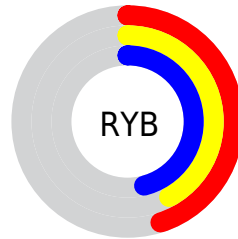
Distribution



Red (45%)

Green (42%)

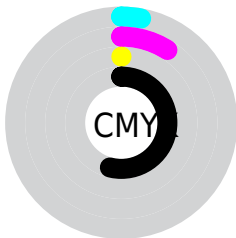
Blue (46%)



Red (45%)

Yellow (42%)

Blue (46%)

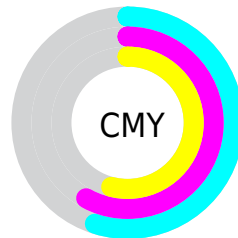


Cyan (3%)

Magenta (9%)

Yellow (0%)

Black (54%)



Cyan (55%)

Magenta (58%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 7.325, 316.950 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, 7.325, 316.950 by changing the saturation by 10% instead.

■ 46, 7.325, 316.950

■ 46, 7.325, 316.950

■ 100, 7.325,
316.950

■ 36, 7.325, 316.950

■ 66, 7.325, 316.950

■ 26, 7.325, 316.950

■ 76, 7.325, 316.950

■ 16, 7.325, 316.950

■ 86, 7.325, 316.950

■ 6, 7.325, 316.950

■ 96, 7.325, 316.950

■ 0, 7.325, 316.950

■ 46, 7.325, 316.950

■ 46, 7.325, 316.950

■ 42, 15.268,
317.371

■ 50, 0.474, 136.836

■ 39, 23.298,

■ 53, 8.090, 136.205

317.789

57, 15.507,
135.844

36, 31.313,
318.194

61, 22.717,
135.515

32, 39.161,
318.561

64, 29.722,
135.215

29, 46.619,
318.861

68, 36.527,
134.942

27, 53.393,
319.052

71, 43.139,
134.694

24, 59.125,
319.085

75, 49.567,
134.472

23, 63.462,
318.908

79, 55.821,
134.272

21, 66.811,
318.603

Harmonies

Complementary

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



46, 7.325, 316.950



48, 7.271, 136.220

Rectangle

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



46, 7.325, 316.950



46, 7.325, 6.950



46, 7.325, 136.950



46, 7.325, 186.950

Sweetspot

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



46, 7.324, 316.949



62, 2.897, 316.659



46, 4.820, 276.075



32, 2.184, 316.697



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, 7.324, 316.949



58, 10.696, 317.029



46, 6.820, 331.649



23, 4.393, 316.934



22, 69.103, 318.550



48, 117.456, 318.073

Inverse Universe

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



46, 4.891, 358.659



58, 7.159, 358.856



48, 6.797, 150.563



23, 2.933, 358.624



25, 50.985, 21.294



53, 88.236, 24.703

Previews

White Background



This preview shows how the CIELCh color 46, 7.325, 316.950 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, 7.325, 316.950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

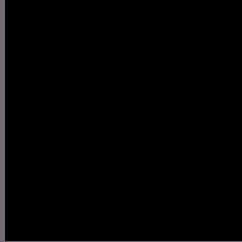
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 7.325, 316.950

Background



This preview shows how black text looks on a background with the CIELCh color 46, 7.325, 316.950.



This preview shows how white text looks on a background with the CIELCh color 46, 7.325, 316.950.

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, 7.325, 316.950

Protanopia

46, 6.545, 291.087

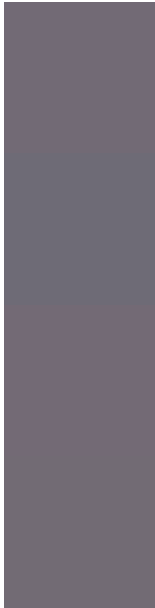
Deuteranopia

46, 7.714, 322.387



Tritanopia
46, 5.561, 321.289

Trichromacy



Original Color

46, 7.325, 316.950

Protanomaly

46, 6.676, 301.320

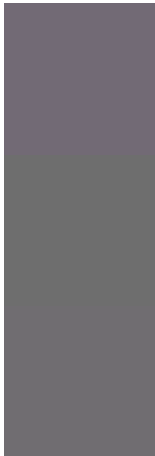
Deuteranomaly

46, 7.511, 319.733

Tritanomaly

46, 6.077, 318.439

Monochromacy



Original Color

46, 7.325, 316.950

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 2.684, 317.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 7.325, 316.950 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(114, 106, 117)` looks like.

```
.text, #text, p{  
    color:rgb(114, 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(114, 106, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 106, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 7.325, 316.950 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(114, 106, 117) }
```

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

```
.border{ border-color:rgb(114, 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(114, 106, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 106, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 106, 117);  
box-shadow:4px 4px 4px 4px rgb(114, 106,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 7.325, 316.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 106, 117) }
```

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

```
.background{ background-color: rgb(114,  
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