

Converting Colors

CIELCh(46, 9.841, 341.714)

Have a look what the booklet for
CIELCh(46, 9.841, 341.714) contains.

CIELCh(46, 9.798, 343.467)	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, 9.798, 343.467)

Conversions

Conversions Part 1

Format	Color
Hex	7B6872
RGB	123, 104, 114
RGB Percent	48%, 41%, 45%
CMY	0.5184, 0.5929, 0.5537
CMYK	0.00, 0.15, 0.07, 0.52
HSL	328°, 8%, 44%
HSV	328°, 15%, 48%
XYZ	16.0971, 15.2687, 17.9601
YIQ	110.8210, 8.1140, 7.1380

Conversions

Conversions Part 2

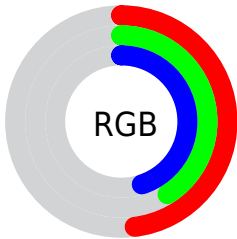
Format	Color
R_{YB}	123, 104, 114
Decimal	8087666
CIE Lab	46.00, 9.39, -2.79
CIE LCh	46, 9.798, 343.467
Yxy	15.2687, 0.3263, 0.3095
Android (android.graphics.Color)	4286277746 (0xFF7B6872)
YUV	110.8210, 1.5672, 10.6810
Hunter-Lab	39.0751, 5.1518, 0.1011

Details

The CIELCh color $46, 9.798, 343.467$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 9.635, 161.045$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 10.095, 343.328$, and $26, 9.646, 343.845$ is the 20% darker color. If you saturate the color by 10%, you get $43, 16.253, 344.384$, and if you desaturate by 10%, it is $50, 3.426, 342.599$.

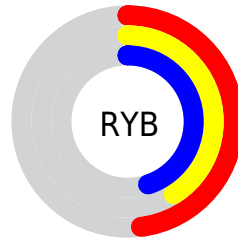
Distribution



Red (48%)

Green (41%)

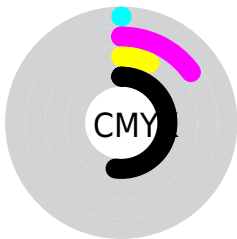
Blue (45%)



Red (48%)

Yellow (41%)

Blue (45%)

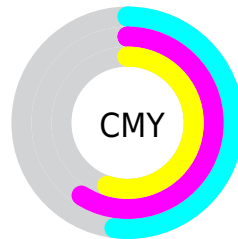


Cyan (0%)

Magenta (15%)

Yellow (7%)

Black (52%)



Cyan (52%)

Magenta (59%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 9.798, 343.467 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, 9.798, 343.467 by changing the saturation by 10% instead.

■ 46, 9.798, 343.467

■ 46, 9.798, 343.467

■ 100, 9.798,
343.467

■ 36, 9.798, 343.467

■ 66, 9.798, 343.467

■ 26, 9.798, 343.467

■ 76, 9.798, 343.467

■ 16, 9.798, 343.467

■ 86, 9.798, 343.467

■ 6, 9.798, 343.467

■ 96, 9.798, 343.467

■ 0, 9.798, 343.467

■ 46, 9.798, 343.467

■ 46, 9.798, 343.467

■ 43, 16.253,
344.384

■ 50, 3.426, 342.599

■ 39, 22.695,

■ 53, 2.796, 162.031

345.397

57, 8.836, 161.275

36, 28.964,
346.546

61, 14.681,
160.625

33, 34.844,
347.876

64, 20.328,
160.028

31, 40.058,
349.454

68, 25.783,
159.474

29, 44.301,
351.372

72, 31.057,
158.957

27, 47.307,
353.750

75, 36.160,
158.474

26, 49.066,
356.669

79, 41.106,
158.022

25, 49.818,
358.016

Harmonies

Complementary

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



46, 9.798, 343.467



50, 9.635, 161.045

Rectangle

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



46, 9.798, 343.467



46, 9.798, 33.467



46, 9.798, 163.467



46, 9.798, 213.467

Sweetspot

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



46, 9.796, 343.470



64, 3.904, 342.567



45, 11.905, 308.594



33, 2.686, 342.621



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, 9.796, 343.470



58, 15.047, 343.826



46, 8.033, 17.709



24, 3.535, 342.917



26, 50.431, 358.090



55, 84.373, 0.378

Inverse Universe

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



46, 9.796, 343.470



58, 15.047, 343.826



50, 7.347, 195.759



24, 3.535, 342.917



26, 50.431, 358.090



55, 84.373, 0.378

Previews

White Background



This preview shows how the CIELCh color 46, 9.798, 343.467 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, 9.798, 343.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

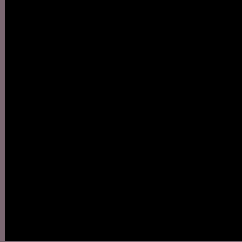
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 9.798, 343.467

Background



This preview shows how black text looks on a background with the CIELCh color 46, 9.798, 343.467.



This preview shows how white text looks on a background with the CIELCh color 46, 9.798, 343.467.

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, 9.798, 343.467

Protanopia

46, 5.376, 295.151

Deuteranopia

46, 6.450, 340.126



Tritanopia
46, 9.165, 349.467

Trichromacy



Original Color
46, 9.798, 343.467

Protanomaly
46, 6.799, 319.152

Deuteranomaly
46, 7.784, 342.840

Tritanomaly
46, 9.468, 346.364

Monochromacy



Original Color
46, 9.798, 343.467

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 3.734, 340.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 9.798, 343.467 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(123, 104, 114)` looks like.

```
.text, #text, p{  
    color:rgb(123, 104, 114)  
}
```

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(123, 104, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 104, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 9.798, 343.467 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(123, 104, 114) }
```

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

```
.border{ border-color:rgb(123, 104, 114) }
```

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

Here you see how a box with a 4 pixel rgb(123, 104, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 104, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 104, 114);  
box-shadow:4px 4px 4px 4px rgb(123, 104,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 9.798, 343.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 104, 114) }
```

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

```
.background{ background-color: rgb(123,  
104, 114) }
```

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