

Converting Colors

CIELCh(46, 13.881, 326.675)

Have a look what the booklet for
CIELCh(46, 13.881, 326.675)
contains.

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Color

CIELCh(46, 13.860, 326.668)

Conversions

Conversions Part 1

Format	Color
Hex	7B677A
RGB	123, 103, 122
RGB Percent	48%, 40%, 48%
CMY	0.5183, 0.5967, 0.5222
CMYK	0.00, 0.16, 0.01, 0.52
HSL	303°, 9%, 44%
HSV	303°, 16%, 48%
XYZ	16.4819, 15.2687, 20.4375
YIQ	111.1460, 5.8210, 10.1490

Conversions

Conversions Part 2

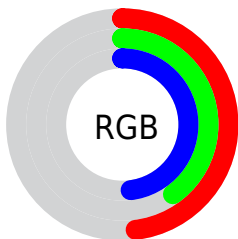
Format	Color
R_{YB}	123, 103, 122
Decimal	8087418
CIE _{Lab}	46.00, 11.58, -7.62
CIE _{LCh}	46, 13.860, 326.668
Yxy	15.2687, 0.3158, 0.2926
Android (android.graphics.Color)	4286277498 (0xFF7B677A)
YUV	111.1460, 5.3510, 10.3960
Hunter-Lab	39.0751, 6.9097, -3.6579

Details

The CIELCh color $46, 13.860, 326.668$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 13.841, 144.840$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 13.865, 327.689$, and $26, 13.596, 327.185$ is the 20% darker color. If you saturate the color by 10%, you get $43, 22.401, 327.212$, and if you desaturate by 10%, it is $49, 5.317, 326.108$.

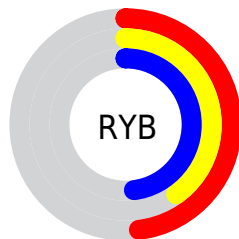
Distribution



Red (48%)

Green (40%)

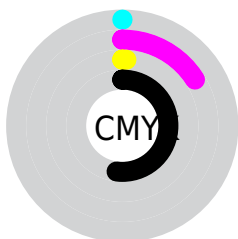
Blue (48%)



Red (48%)

Yellow (40%)

Blue (48%)

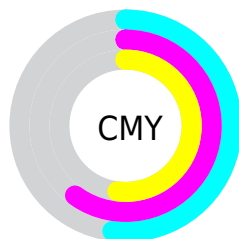


Cyan (0%)

Magenta (16%)

Yellow (1%)

Black (52%)



Cyan (52%)

Magenta (60%)

Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 13.860, 326.668 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, 13.860, 326.668 by changing the saturation by 10% instead.

 46, 13.860,
326.668

 46, 13.860,
326.668

 100, 13.860,
326.668

 36, 13.860,
326.668

 66, 13.860,
326.668

 26, 13.860,
326.668

 76, 13.860,
326.668

 16, 13.860,
326.668


 86, 13.860,
326.668

 6, 13.860, 326.668

 96, 13.860,
326.668

 0, 13.860, 326.668

 46, 13.860,

 46, 13.860,

326.668

43, 22.401,
327.212

40, 30.794,
327.743

37, 38.826,
328.252

34, 46.233,
328.729

32, 52.705,
329.162

30, 57.935,
329.544

29, 61.680,
329.870

28, 64.006,
330.149

326.668

49, 5.317, 326.108

53, 3.118, 145.673

56, 11.381,
145.113

60, 19.432,
144.609

64, 27.252,
144.130

67, 34.835,
143.676

71, 42.182,
143.248

75, 49.301,
142.844

■ 28, 64.802,
330.249

■ 78, 56.203,
142.466

Harmonies

Complementary

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



46, 13.860, 326.668



49, 13.841, 144.840

Rectangle

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



46, 13.860, 326.668



46, 13.860, 16.668



46, 13.860, 146.668



46, 13.860, 196.668

Sweetspot

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



46, 13.858, 326.668



64, 5.273, 326.038



44, 11.993, 293.084



33, 3.627, 326.074



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, 13.858, 326.668



58, 21.235, 326.899



46, 9.930, 346.844



24, 4.766, 326.269



29, 65.598, 330.253



59, 110.199, 330.367

Inverse Universe

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



46, 13.858, 326.668



58, 21.235, 326.899



50, 9.705, 164.142



24, 4.766, 326.269



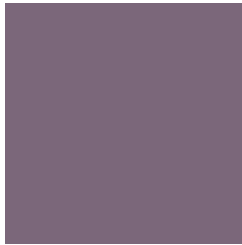
29, 65.598, 330.253



59, 110.199, 330.367

Previews

White Background



This preview shows how the CIELCh color 46, 13.860, 326.668 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, 13.860, 326.668 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, 13.860, 326.668

Background



This preview shows how black text looks on a background with the CIELCh color 46, 13.860, 326.668.



This preview shows how white text looks on a background with the CIELCh color 46, 13.860, 326.668.

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, 13.860, 326.668

Protanopia

46, 10.124, 287.243

Deuteranopia

46, 9.512, 310.735



Tritanopia
46, 9.130, 344.826

Trichromacy



Original Color
46, 13.860, 326.668

Protanomaly
46, 11.009, 303.848

Deuteranomaly
46, 10.693, 317.823

Tritanomaly
46, 10.235, 336.652

Monochromacy



Original Color
46, 13.860, 326.668

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 5.054, 324.724

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 13.860, 326.668 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, 103, 122)` looks like.

```
.text, #text, p{  
    color:rgb(123, 103, 122)  
}
```

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, 103, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 103, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 13.860, 326.668 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, 103, 122) }
```

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

```
.border{ border-color:rgb(123, 103, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 103, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 103, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 103, 122);  
box-shadow:4px 4px 4px 4px rgb(123, 103,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 13.860, 326.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 103, 122) }
```

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

```
.background{ background-color: rgb(123,  
103, 122) }
```

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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