

Converting Colors

CIELCh(46, 25.946, 325.118)

Have a look what the booklet for
CIELCh(46, 25.946, 325.118)
contains.

CIELCh(46, 25.946, 325.118)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 25.946, 325.118)

Conversions

Conversions Part 1

Format	Color
Hex	856186
RGB	133, 97, 134
RGB Percent	52%, 38%, 53%
CMY	0.4783, 0.6194, 0.4743
CMYK	0.01, 0.28, 0.00, 0.47
HSL	298°, 16%, 45%
HSV	298°, 28%, 53%
XYZ	18.2634, 15.2687, 24.5535
YIQ	111.9820, 9.5790, 19.1390

Conversions

Conversions Part 2

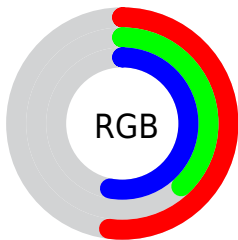
Format	Color
RYB	133, 97, 134
Decimal	8741254
CIELab	46.00, 21.28, -14.84
CIELCh	46, 25.946, 325.118
Yxy	15.2687, 0.3144, 0.2629
Android (android.graphics.Color)	4286931334 (0xFF856186)
YUV	111.9820, 10.8549, 18.4328
Hunter-Lab	39.0751, 15.0480, -9.9033

Details

The CIELCh color $46, 25.946, 325.118$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $52, 25.905, 141.985$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 25.926, 325.563$, and $26, 25.737, 325.567$ is the 20% darker color. If you saturate the color by 10%, you get $43, 35.175, 325.604$, and if you desaturate by 10%, it is $49, 16.530, 324.610$.

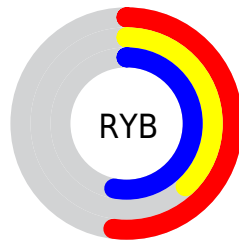
Distribution



Red (52%)

Green (38%)

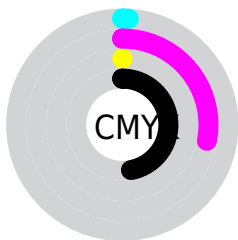
Blue (53%)



Red (52%)

Yellow (38%)

Blue (53%)

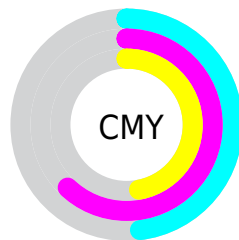


Cyan (1%)

Magenta (28%)

Yellow (0%)

Black (47%)



Cyan (48%)


Magenta (62%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 25.946, 325.118 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, 25.946, 325.118 by changing the saturation by 10% instead.


 46, 25.946,
325.118


 46, 25.946,
325.118


 100, 25.946,
325.118


 36, 25.946,
325.118

 66, 25.946,
325.118


 26, 25.946,
325.118

 76, 25.946,
325.118

 16, 25.946,
325.118

 86, 25.946,
325.118

 6, 25.946, 325.118

 96, 25.946,
325.118

 0, 25.946, 325.118

 46, 25.946,

 46, 25.946,

325.118

43, 35.175,
325.604

40, 43.983,
326.053

37, 52.071,
326.447

35, 59.096,
326.770

33, 64.723,
327.004

32, 68.705,
327.139

31, 71.200,
327.186

31, 71.760,
327.196

325.118

49, 16.530,
324.610

53, 7.104, 324.084

57, 2.212, 143.687

61, 11.342,
143.123

65, 20.241,
142.638

68, 28.884,
142.179

72, 37.263,
141.745

76, 45.380,
141.338

■ 80, 53.241,
140.957

Harmonies

Complementary

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



46, 25.946, 325.118



52, 25.905, 141.985

Rectangle

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



46, 25.946, 325.118



46, 25.946, 15.118



46, 25.946, 145.118



46, 25.946, 195.118

Sweetspot

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



46, 25.944, 325.118



67, 9.228, 324.115



43, 21.558, 292.073



34, 6.535, 324.186



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



46, 25.944, 325.118



56, 38.195, 325.419



46, 19.035, 344.231



26, 5.228, 324.165



30, 70.208, 327.199



0, 1.245, 323.719

Inverse Universe

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



45, 16.092, 19.439



55, 24.238, 20.190



53, 18.513, 159.529



26, 3.050, 17.689



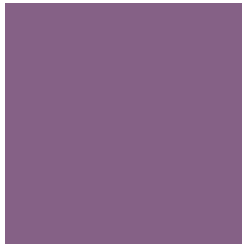
26, 61.300, 37.441



0, 0.708, 17.157

Previews

White Background



This preview shows how the CIELCh color 46, 25.946, 325.118 looks on a white background.

Color Contrast Check

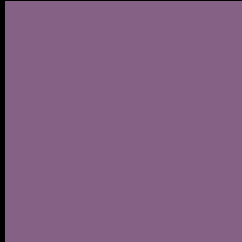
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.946, 325.118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

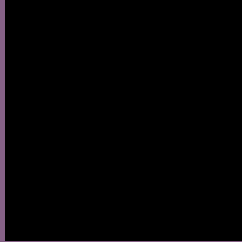
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 25.946, 325.118

Background



This preview shows how black text looks on a background with the CIELCh color 46, 25.946, 325.118.



This preview shows how white text looks on a background with the CIELCh color 46, 25.946, 325.118.

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, 25.946, 325.118

Protanopia

46, 20.310, 284.957

Deuteranopia

46, 14.887, 293.639



Tritanopia
46, 12.592, 359.076

Trichromacy



Original Color
46, 25.946, 325.118

Protanomaly
46, 21.120, 300.928

Deuteranomaly
46, 18.723, 308.962

Tritanomaly
46, 16.848, 339.812

Monochromacy



Original Color
46, 25.946, 325.118

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 9.339, 324.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 25.946, 325.118 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(133, 97, 134)` looks like.

```
.text, #text, p{  
    color:rgb(133, 97, 134)  
}
```

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(133, 97, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 97, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 25.946, 325.118 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(133, 97, 134) }
```

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

```
.border{ border-color:rgb(133, 97, 134) }
```

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

Here you see how a box with a 4 pixel rgb(133, 97, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 97, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 97, 134);  
box-shadow:4px 4px 4px 4px rgb(133, 97,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 25.946, 325.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 97, 134) }
```

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

```
.background{ background-color: rgb(133, 97,  
134) }
```

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