

Converting Colors

CIELCh(46, 52.838, 326.993)

Have a look what the booklet for
CIELCh(46, 52.838, 326.993)
contains.

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Color

CIELCh(46, 52.811, 326.993)

Conversions

Conversions Part 1

Format	Color
Hex	9E4F9E
RGB	158, 79, 158
RGB Percent	62%, 31%, 62%
CMY	0.3813, 0.6910, 0.3813
CMYK	0.00, 0.50, 0.00, 0.38
HSL	300°, 33%, 46%
HSV	300°, 50%, 62%
XYZ	22.9892, 15.2687, 33.9838
YIQ	111.6270, 21.7250, 41.3170

Conversions

Conversions Part 2

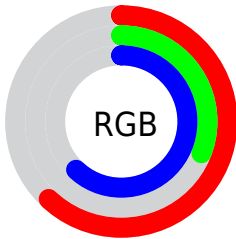
Format	Color
RYB	158, 79, 158
Decimal	10375070
CIELab	46.00, 44.29, -28.77
CIElCh	46, 52.811, 326.993
Yxy	15.2687, 0.3182, 0.2114
Android (android.graphics.Color)	4288565150 (0xFF9E4F9E)
YUV	111.6270, 22.8619, 40.6691
Hunter-Lab	39.0751, 36.6359, -24.2122

Details

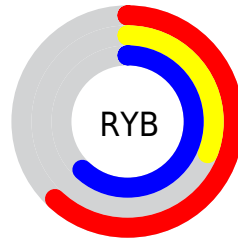
The CIELCh color $46, 52.811, 326.993$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $59, 53.073, 140.458$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 52.911, 326.854$, and $26, 52.556, 326.956$ is the 20% darker color. If you saturate the color by 10%, you get $43, 61.658, 327.397$, and if you desaturate by 10%, it is $49, 42.962, 326.533$.

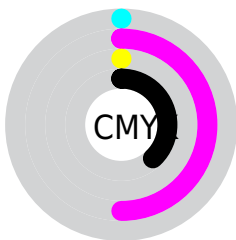
Distribution



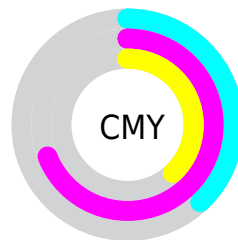
- Red (62%)
- Green (31%)
- Blue (62%)



- Red (62%)
- Yellow (31%)
- Blue (62%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (38%)





- Cyan (38%)
- Magenta (69%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 52.811, 326.993 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, 52.811, 326.993 by changing the saturation by 10% instead.


 46, 52.811,
326.993


 46, 52.811,
326.993


 100, 52.811,
326.993


 36, 52.811,
326.993

 66, 52.811,
326.993


 26, 52.811,
326.993

 76, 52.811,
326.993

 16, 52.811,
326.993

 86, 52.811,
326.993

 6, 52.811, 326.993

 96, 52.811,
326.993

 0, 52.811, 326.993

 46, 52.811,

 46, 52.811,

326.993

43, 61.658,
327.397

41, 69.107,
327.728

39, 74.802,
327.976

38, 78.539,
328.136

37, 80.729,
328.229

326.993

49, 42.962,
326.533

53, 32.493,
326.031

57, 21.710,
325.504

61, 10.849,
324.959

65, 0.073, 321.476

69, 10.509,
143.939

74, 20.830,
143.420

78, 30.855,
142.929

■ 83, 40.568,
142.464

Harmonies

Complementary

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



46, 52.811, 326.993



59, 53.073, 140.458

Rectangle

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



46, 52.811, 326.993



46, 52.811, 16.993



46, 52.811, 146.993



46, 52.811, 196.993

Sweetspot

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



46, 52.809, 326.993



74, 19.987, 325.245



38, 47.688, 296.687



38, 13.613, 325.351



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



46, 52.809, 326.993



55, 75.658, 327.436



44, 38.688, 347.862



31, 6.104, 324.913



34, 75.047, 328.229



1, 7.944, 324.436

Inverse Universe

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



43, 36.105, 24.930



51, 54.787, 27.461



59, 36.868, 157.668



31, 3.535, 19.893



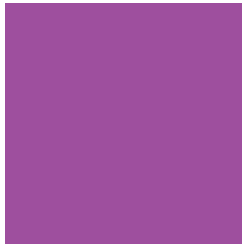
29, 67.089, 39.158



1, 4.473, 19.398

Previews

White Background



This preview shows how the CIELCh color 46, 52.811, 326.993 looks on a white background.

Color Contrast Check

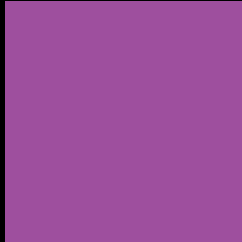
Large Text (above 18pt) WCAG AA ✓ Pass

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, 52.811, 326.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

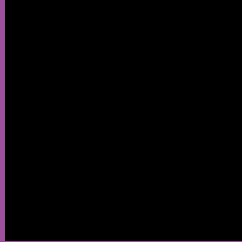
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 52.811, 326.993

Background



This preview shows how black text looks on a background with the CIELCh color 46, 52.811, 326.993.



This preview shows how white text looks on a background with the CIELCh color 46, 52.811, 326.993.

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, 52.811, 326.993

Protanopia

46, 44.663, 286.119

Deuteranopia

46, 26.895, 284.567



Tritanopia
46, 25.381, 13.799

Trichromacy



Original Color
46, 52.811, 326.993

Protanomaly
45, 45.457, 300.298

Deuteranomaly
45, 35.452, 306.404

Tritanomaly
46, 32.114, 347.372

Monochromacy



Original Color
46, 52.811, 326.993

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 20.668, 325.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 52.811, 326.993 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(158, 79, 158)` looks like.

```
.text, #text, p{  
    color:rgb(158, 79, 158)  
}
```

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(158, 79, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 79, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 52.811, 326.993 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(158, 79, 158) }
```

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

```
.border{ border-color:rgb(158, 79, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 79, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 79, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 79, 158);  
box-shadow:4px 4px 4px 4px rgb(158, 79,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 52.811, 326.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 79, 158) }
```

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

```
.background{ background-color: rgb(158, 79,  
158) }
```

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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