

Converting Colors

CIELCh(46, 52.290, 342.954)

Have a look what the booklet for
CIELCh(46, 52.290, 342.954)
contains.

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Color

CIELCh(46, 52.479, 342.825)

Conversions

Conversions Part 1

Format	Color
Hex	AF4688
RGB	175, 70, 136
RGB Percent	69%, 27%, 53%
CMY	0.3138, 0.7255, 0.4667
CMYK	0.00, 0.60, 0.22, 0.31
HSL	322°, 43%, 48%
HSV	322°, 60%, 69%
XYZ	24.3090, 15.2687, 24.9541
YIQ	108.9190, 41.3940, 42.7860

Conversions

Conversions Part 2

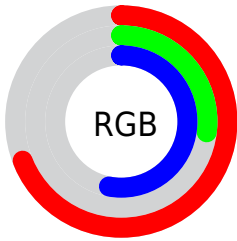
Format	Color
R_{YB}	175, 70, 136
Decimal	11486856
CIE _{Lab}	46.00, 50.14, -15.50
CIE _{LCh}	46, 52.479, 342.825
Yxy	15.2687, 0.3767, 0.2366
Android (android.graphics.Color)	4289676936 (0xFFAF4688)
YUV	108.9190, 13.3509, 57.9530
Hunter-Lab	39.0751, 42.6652, -10.5110

Details

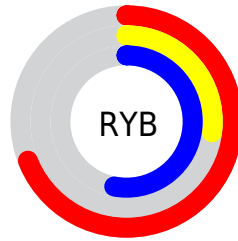
The CIELCh color **46, 52.479, 342.825** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **64, 51.797, 151.067**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 52.132, 343.075**, and **26, 52.440, 342.767** is the 20% darker color. If you saturate the color by 10%, you get **43, 58.789, 344.211**, and if you desaturate by 10%, it is **49, 44.852, 341.641**.

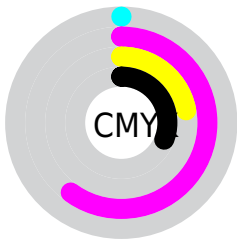
Distribution



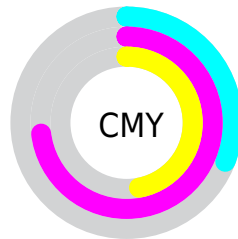
- Red (69%)
- Green (27%)
- Blue (53%)



- Red (69%)
- Yellow (27%)
- Blue (53%)



- Cyan (0%)
- Magenta (60%)
- Yellow (22%)
- Black (31%)





- Cyan (31%)
- Magenta (73%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 52.479, 342.825 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, 52.479, 342.825 by changing the saturation by 10% instead.


 46, 52.479,
342.825


 46, 52.479,
342.825


 100, 52.479,
342.825


 36, 52.479,
342.825

 66, 52.479,
342.825


 26, 52.479,
342.825

 76, 52.479,
342.825

 16, 52.479,
342.825

 86, 52.479,
342.825

 6, 52.479, 342.825

 96, 52.479,
342.825

 0, 52.479, 342.825

 46, 52.479,

 46, 52.479,

342.825

43, 58.789,
344.211

41, 63.364,
345.876

39, 65.925,
347.921

38, 66.843,
350.362

342.825

49, 44.852,
341.641

53, 36.360,
340.601

58, 27.382,
339.667

62, 18.207,
338.814

67, 9.039, 338.015

71, 0.009, 300.008

76, 8.811, 156.692

81, 17.375,
156.044

86, 25.670,

Harmonies

Complementary

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



46, 52.479, 342.825



64, 51.797, 151.067

Rectangle

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



46, 52.479, 342.825



46, 52.479, 32.825



46, 52.479, 162.825



46, 52.479, 212.825

Sweetspot

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



46, 52.476, 342.826



80, 20.225, 338.676



39, 64.166, 308.259



41, 14.189, 338.911



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



46, 52.476, 342.826



55, 73.452, 344.716



44, 46.222, 17.622



34, 5.076, 337.960



33, 59.942, 349.998



2, 9.936, 341.905

Inverse Universe

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



46, 52.476, 342.826



55, 73.452, 344.716



65, 33.556, 183.148



34, 5.076, 337.960



33, 59.942, 349.998



2, 9.936, 341.905

Previews

White Background



This preview shows how the CIELCh color 46, 52.479, 342.825 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, 52.479, 342.825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

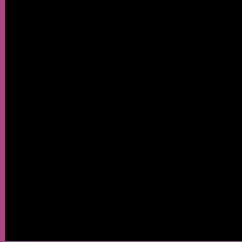
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 52.479, 342.825

Background



This preview shows how black text looks on a background with the CIELCh color 46, 52.479, 342.825.

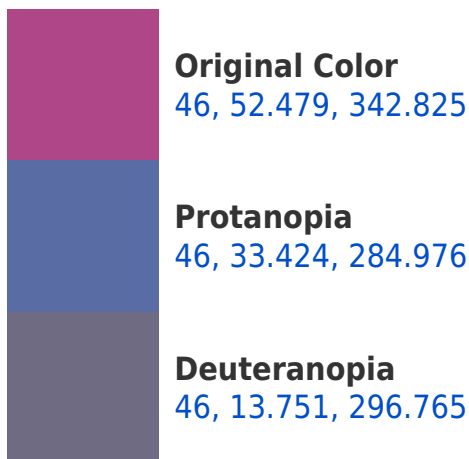


This preview shows how white text looks on a background with the CIELCh color 46, 52.479, 342.825.

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](#).

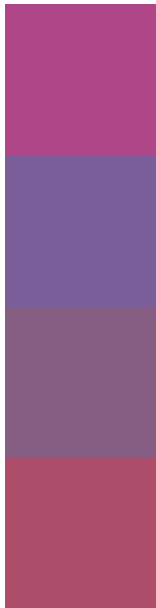
Dichromacy





Tritanopia
46, 39.632, 21.356

Trichromacy



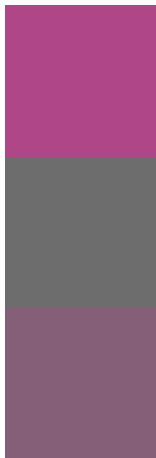
Original Color
46, 52.479, 342.825

Protanomaly
45, 37.129, 309.353

Deuteranomaly
45, 27.305, 327.418

Tritanomaly
46, 41.383, 4.482

Monochromacy



Original Color
46, 52.479, 342.825

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 20.882, 339.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 52.479, 342.825 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(175, 70, 136)` looks like.

```
.text, #text, p{  
    color:rgb(175, 70, 136)  
}
```

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(175, 70, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 70, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 52.479, 342.825 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(175, 70, 136) }
```

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

```
.border{ border-color:rgb(175, 70, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 70, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 70, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 70, 136);  
box-shadow:4px 4px 4px 4px rgb(175, 70,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 52.479, 342.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 70, 136) }
```

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

```
.background{ background-color: rgb(175, 70,  
136) }
```

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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