

Converting Colors

CIELCh(46, 52.956, 348.550)

Have a look what the booklet for
CIELCh(46, 52.956, 348.550)
contains.

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Color

CIELCh(46, 52.963, 348.493)

Conversions

Conversions Part 1

Format	Color
Hex	B44380
RGB	180, 67, 128
RGB Percent	71%, 26%, 50%
CMY	0.2942, 0.7373, 0.4981
CMYK	0.00, 0.63, 0.29, 0.29
HSL	328°, 46%, 48%
HSV	328°, 63%, 71%
XYZ	24.7156, 15.2687, 22.0578
YIQ	107.7410, 47.7670, 42.9270

Conversions

Conversions Part 2

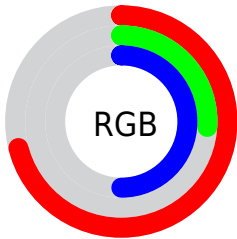
Format	Color
R_{YB}	180, 67, 128
Decimal	11813760
CIE _{Lab}	46.00, 51.90, -10.57
CIE _{LCh}	46, 52.963, 348.493
Yxy	15.2687, 0.3984, 0.2461
Android (android.graphics.Color)	4290003840 (0xFFB44380)
YUV	107.7410, 9.9877, 63.3711
Hunter-Lab	39.0751, 44.5225, -6.1164

Details

The CIELCh color **46, 52.963, 348.493** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **66, 51.034, 154.568**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 53.202, 348.460**, and **26, 52.360, 348.374** is the 20% darker color. If you saturate the color by 10%, you get **43, 58.822, 350.391**, and if you desaturate by 10%, it is **49, 45.731, 346.935**.

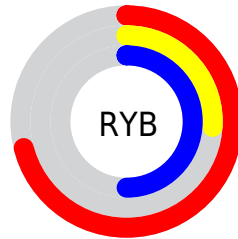
Distribution



Red (71%)

Green (26%)

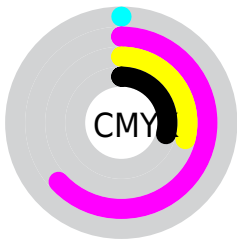
Blue (50%)



Red (71%)

Yellow (26%)

Blue (50%)

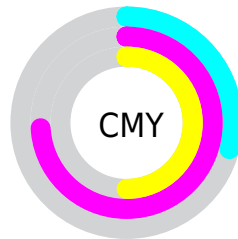


Cyan (0%)

Magenta (63%)

Yellow (29%)

Black (29%)



Cyan (29%)


Magenta (74%)

Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 52.963, 348.493 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, 52.963, 348.493 by changing the saturation by 10% instead.

 46, 52.963,
348.493


 46, 52.963,
348.493


 100, 52.963,
348.493


 36, 52.963,
348.493

 66, 52.963,
348.493


 26, 52.963,
348.493

 76, 52.963,
348.493

 16, 52.963,
348.493

 86, 52.963,
348.493

 6, 52.963, 348.493

 96, 52.963,
348.493

 0, 52.963, 348.493

 46, 52.963,

 46, 52.963,

348.493

43, 58.822,
350.391

41, 62.921,
352.751

40, 65.079,
355.721

39, 65.834,
358.189

348.493

49, 45.731,
346.935

53, 37.581,
345.621

58, 28.910,
344.484

62, 20.026,
343.477

67, 11.144,
342.565

72, 2.402, 341.631

77, 6.118, 161.095

82, 14.376,
160.373

■ 87, 22.357,
159.728

Harmonies

Complementary

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



46, 52.963, 348.493



66, 51.034, 154.568

Rectangle

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



46, 52.963, 348.493



46, 52.963, 38.493



46, 52.963, 168.493



46, 52.963, 218.493

Sweetspot

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



46, 52.960, 348.494



81, 20.667, 343.153



40, 68.699, 310.752



42, 14.240, 343.416



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



46, 52.960, 348.494



55, 73.750, 351.157



45, 50.890, 24.603



35, 4.886, 342.261



33, 58.503, 357.659



2, 10.860, 347.636

Inverse Universe

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



46, 52.960, 348.494



55, 73.750, 351.157



67, 33.435, 191.329



35, 4.886, 342.261



33, 58.503, 357.659



2, 10.860, 347.636

Previews

White Background



This preview shows how the CIELCh color 46, 52.963, 348.493 looks on a white background.

Color Contrast Check

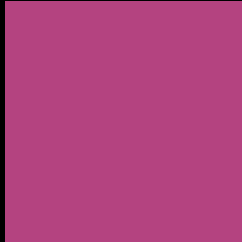
Large Text (above 18pt) WCAG AA ✓ Pass

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, 52.963, 348.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

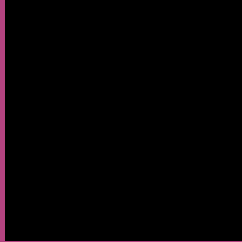
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 52.963, 348.493

Background



This preview shows how black text looks on a background with the CIELCh color 46, 52.963, 348.493.

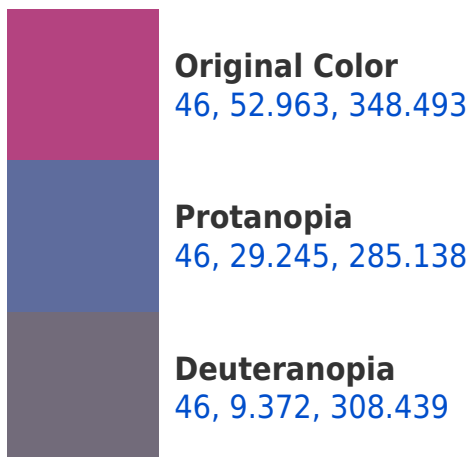


This preview shows how white text looks on a background with the CIELCh color 46, 52.963, 348.493.

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](#).

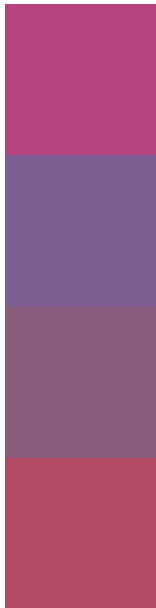
Dichromacy





Tritanopia
46, 43.800, 22.610

Trichromacy



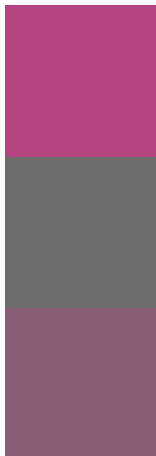
Original Color
46, 52.963, 348.493

Protanomaly
45, 33.761, 314.177

Deuteranomaly
45, 26.204, 336.827

Tritanomaly
46, 44.820, 8.752

Monochromacy



Original Color
46, 52.963, 348.493

Achromatopsia
46, 0.006, 296.813

Achromatomaly
44, 21.157, 344.353

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 52.963, 348.493 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(180, 67, 128)` looks like.

```
.text, #text, p{  
    color:rgb(180, 67, 128)  
}
```

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(180, 67, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 67, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 52.963, 348.493 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(180, 67, 128) }
```

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

```
.border{ border-color:rgb(180, 67, 128) }
```

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

Here you see how a box with a 4 pixel rgb(180, 67, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 67, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 67, 128);  
box-shadow:4px 4px 4px 4px rgb(180, 67,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 52.963, 348.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 67, 128) }
```

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

```
.background{ background-color: rgb(180, 67,  
128) }
```

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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