

Converting Colors

CIELCh(46, 51.884, 337.982)

Have a look what the booklet for
CIELCh(46, 51.884, 337.982)
contains.

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Color

CIELCh(46, 51.811, 338.250)

Conversions

Conversions Part 1

Format	Color
Hex	AA498E
RGB	170, 73, 142
RGB Percent	67%, 29%, 56%
CMY	0.3333, 0.7136, 0.4431
CMYK	0.00, 0.57, 0.16, 0.33
HSL	317°, 40%, 48%
HSV	317°, 57%, 67%
XYZ	23.8487, 15.2687, 27.2878
YIQ	109.8690, 35.6630, 42.0230

Conversions

Conversions Part 2

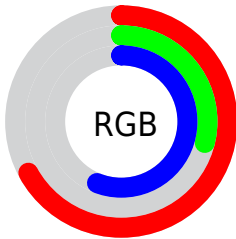
Format	Color
R_{YB}	170, 73, 142
Decimal	11159950
CIE _{Lab}	46.00, 48.12, -19.20
CIE _{LCh}	46, 51.811, 338.250
Yxy	15.2687, 0.3591, 0.2299
Android (android.graphics.Color)	4289350030 (0xFFAA498E)
YUV	109.8690, 15.8406, 52.7349
Hunter-Lab	39.0751, 40.5622, -14.0521

Details

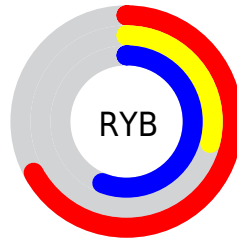
The CIELCh color **46, 51.811, 338.250** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **63, 51.754, 148.286**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 51.804, 338.016**, and **26, 51.916, 338.043** is the 20% darker color. If you saturate the color by 10%, you get **43, 58.692, 339.269**, and if you desaturate by 10%, it is **49, 43.711, 337.335**.

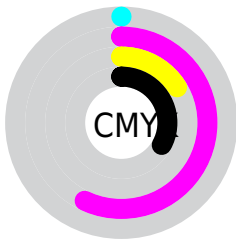
Distribution



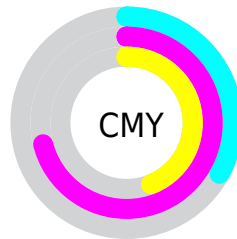
- Red (67%)
- Green (29%)
- Blue (56%)



- Red (67%)
- Yellow (29%)
- Blue (56%)



- Cyan (0%)
- Magenta (57%)
- Yellow (16%)
- Black (33%)





- Cyan (33%)
- Magenta (71%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 51.811, 338.250 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, 51.811, 338.250 by changing the saturation by 10% instead.


 46, 51.811,
338.250


 46, 51.811,
338.250


 100, 51.811,
338.250


 36, 51.811,
338.250


 66, 51.811,
338.250


 26, 51.811,
338.250


 76, 51.811,
338.250

 16, 51.811,
338.250

 86, 51.811,
338.250

 6, 51.811, 338.250

 96, 51.811,
338.250

 0, 51.811, 338.250

 46, 51.811,

 46, 51.811,

338.250

■ 43, 58.692,
339.269

■ 41, 63.927,
340.433

■ 39, 67.180,
341.802

■ 38, 68.459,
343.430

■ 38, 68.709,
343.931

338.250

■ 49, 43.711,
337.335

■ 53, 34.828,
336.494

■ 57, 25.514,
335.710

■ 62, 16.039,
334.971

■ 66, 6.588, 334.254

■ 71, 2.717, 153.756

■ 76, 11.806,
153.057

■ 80, 20.640,
152.465

■ 85, 29.206,
151.913

Harmonies

Complementary

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



46, 51.811, 338.250



63, 51.754, 148.286

Rectangle

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



46, 51.811, 338.250



46, 51.811, 28.250



46, 51.811, 158.250



46, 51.811, 208.250

Sweetspot

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



46, 51.809, 338.250



79, 19.858, 334.989



39, 59.459, 305.724



41, 13.401, 335.130



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



46, 51.809, 338.250



55, 73.161, 339.509



44, 42.519, 10.419



33, 5.253, 334.415



33, 62.152, 343.699



2, 9.022, 336.927

Inverse Universe

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



46, 51.809, 338.250



55, 73.161, 339.509



64, 33.749, 176.122



33, 5.253, 334.415



33, 62.152, 343.699



2, 9.022, 336.927

Previews

White Background



This preview shows how the CIELCh color 46, 51.811, 338.250 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, 51.811, 338.250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

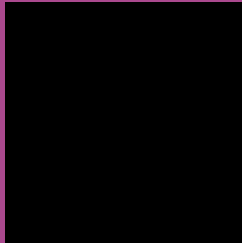
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 51.811, 338.250

Background



This preview shows how black text looks on a background with the CIELCh color 46, 51.811, 338.250.

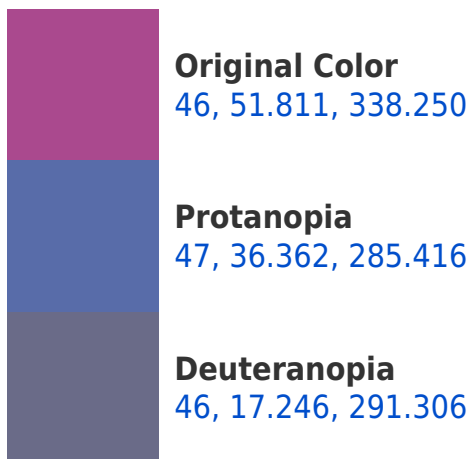


This preview shows how white text looks on a background with the CIELCh color 46, 51.811, 338.250.

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, 35.423, 19.167

Trichromacy



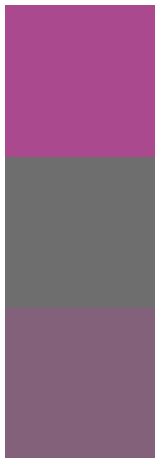
Original Color
46, 51.811, 338.250

Protanomaly
45, 39.081, 306.531

Deuteranomaly
45, 28.653, 319.859

Tritanomaly
46, 38.569, 0.100

Monochromacy



Original Color
46, 51.811, 338.250

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 20.377, 335.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 51.811, 338.250 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(170, 73, 142)` looks like.

```
.text, #text, p{  
    color:rgb(170, 73, 142)  
}
```

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(170, 73, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 73, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 51.811, 338.250 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(170, 73, 142) }
```

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

```
.border{ border-color:rgb(170, 73, 142) }
```

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

Here you see how a box with a 4 pixel rgb(170, 73, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 73, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 73, 142);  
box-shadow:4px 4px 4px 4px rgb(170, 73,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 51.811, 338.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 73, 142) }
```

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

```
.background{ background-color: rgb(170, 73,  
142) }
```

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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