

Converting Colors

CIELCh(46, 41.688, 357.386)

Have a look what the booklet for
CIELCh(46, 41.688, 357.386)
contains.

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Color

CIELCh(46, 41.578, 357.540)

Conversions

Conversions Part 1

Format	Color
Hex	AA4E71
RGB	170, 78, 113
RGB Percent	67%, 31%, 44%
CMY	0.3321, 0.6930, 0.5558
CMYK	0.00, 0.54, 0.33, 0.33
HSL	337°, 37%, 49%
HSV	337°, 54%, 67%
XYZ	22.3862, 15.2687, 17.4716
YIQ	109.4980, 43.5970, 30.3890

Conversions

Conversions Part 2

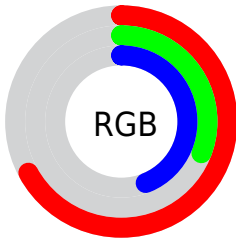
Format	Color
R_{YB}	170, 78, 113
Decimal	11161201
CIE _{Lab}	46.00, 41.54, -1.78
CIE _{LCh}	46, 41.578, 357.540
Yxy	15.2687, 0.4061, 0.2770
Android (android.graphics.Color)	4289351281 (0xFFAA4E71)
YUV	109.4980, 1.7265, 53.0603
Hunter-Lab	39.0751, 33.8814, 0.8424

Details

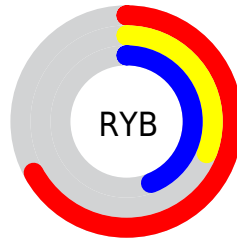
The CIELCh color $46, 41.578, 357.540$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $64, 37.253, 164.723$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 41.831, 357.308$, and $26, 41.776, 357.922$ is the 20% darker color. If you saturate the color by 10%, you get $43, 48.359, 359.743$, and if you desaturate by 10%, it is $50, 34.106, 355.756$.

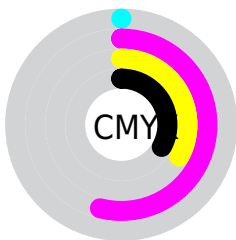
Distribution



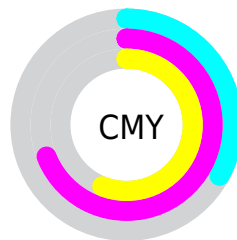
- Red (67%)
- Green (31%)
- Blue (44%)



- Red (67%)
- Yellow (31%)
- Blue (44%)



- Cyan (0%)
- Magenta (54%)
- Yellow (33%)
- Black (33%)





- Cyan (33%)
- Magenta (69%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 41.578, 357.540 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, 41.578, 357.540 by changing the saturation by 10% instead.


 46, 41.578,
357.540


 46, 41.578,
357.540


 100, 41.578,
357.540


 36, 41.578,
357.540

 66, 41.578,
357.540


 26, 41.578,
357.540

 76, 41.578,
357.540

 16, 41.578,
357.540

 86, 41.578,
357.540

 6, 41.578, 357.540

 96, 41.578,
357.540

 0, 41.578, 357.540

 46, 41.578,

 46, 41.578,

357.540

357.540

■ 43, 48.359,
359.743

■ 50, 34.106,
355.756

■ 40, 54.081, 2.509

■ 54, 26.292,
354.274

■ 38, 58.446, 6.008

■ 58, 18.395,
353.015

■ 36, 61.392, 10.389

■ 36, 62.881, 13.230

■ 63, 10.594,
351.917

■ 68, 2.997, 350.871

■ 73, 4.339, 170.249

■ 77, 11.389,
169.430

■ 82, 18.151,
168.725

 87, 24.635,
168.086

Harmonies

Complementary

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



46, 41.578, 357.540



64, 37.253, 164.723

Rectangle

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



46, 41.578, 357.540



46, 41.578, 47.540



46, 41.578, 177.540



46, 41.578, 227.540

Sweetspot

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



46, 41.575, 357.542



79, 15.028, 352.154



44, 57.179, 315.339



41, 10.257, 352.368



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, 41.575, 357.542



55, 60.514, 0.281



47, 38.500, 33.488



33, 4.199, 351.431



31, 56.599, 12.551



2, 7.316, 354.097

Inverse Universe

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



46, 41.575, 357.542



55, 60.514, 0.281



61, 25.345, 211.300



33, 4.199, 351.431



31, 56.599, 12.551



2, 7.316, 354.097

Previews

White Background



This preview shows how the CIELCh color 46, 41.578, 357.540 looks on a white background.

Color Contrast Check

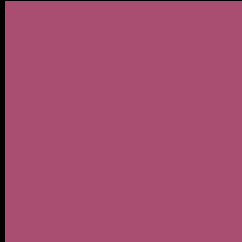
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.578, 357.540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

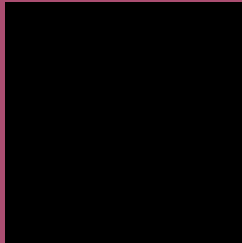
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 41.578, 357.540

Background



This preview shows how black text looks on a background with the CIELCh color 46, 41.578, 357.540.



This preview shows how white text looks on a background with the CIELCh color 46, 41.578, 357.540.

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, 41.578, 357.540

Protanopia

46, 13.734, 284.293

Deuteranopia

46, 6.081, 3.175



Tritanopia
46, 37.721, 19.957

Trichromacy



Original Color
46, 41.578, 357.540

Protanomaly
45, 19.976, 328.573

Deuteranomaly
46, 19.523, 355.261

Tritanomaly
46, 38.555, 11.016

Monochromacy



Original Color
46, 41.578, 357.540

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 16.048, 353.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 41.578, 357.540 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, 78, 113)` looks like.

```
.text, #text, p{  
    color:rgb(170, 78, 113)  
}
```

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, 78, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 78, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 41.578, 357.540 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, 78, 113) }
```

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

```
.border{ border-color:rgb(170, 78, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 78, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 78, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 78, 113);  
box-shadow:4px 4px 4px 4px rgb(170, 78,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 41.578, 357.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 78, 113) }
```

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

```
.background{ background-color: rgb(170, 78,  
113) }
```

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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