

Converting Colors

CIELCh(46, 18.136, 300.853)

Have a look what the booklet for
CIELCh(46, 18.136, 300.853)
contains.

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Color

CIELCh(46, 18.107, 300.841)

Conversions

Conversions Part 1

Format	Color
Hex	706987
RGB	112, 105, 135
RGB Percent	44%, 41%, 53%
CMY	0.5612, 0.5886, 0.4710
CMYK	0.17, 0.22, 0.00, 0.47
HSL	254°, 13%, 47%
HSV	254°, 22%, 53%
XYZ	16.0778, 15.2687, 24.9846
YIQ	110.5130, -5.4580, 10.8140

Conversions

Conversions Part 2

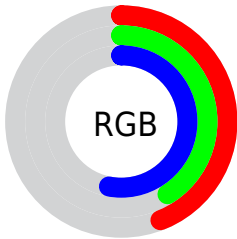
Format	Color
R_{YB}	112, 105, 135
Decimal	7367047
CIE Lab	46.00, 9.28, -15.55
CIE LCh	46, 18.107, 300.841
Yxy	15.2687, 0.2854, 0.2711
Android (android.graphics.Color)	4285557127 (0xFF706987)
YUV	110.5130, 12.0721, 1.3041
Hunter-Lab	39.0751, 5.0640, -10.5574

Details

The CIELCh color $46, 18.107, 300.841$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $55, 17.311, 117.886$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 18.050, 301.065$, and $26, 17.921, 301.141$ is the 20% darker color. If you saturate the color by 10%, you get $41, 26.723, 301.707$, and if you desaturate by 10%, it is $51, 9.785, 300.075$.

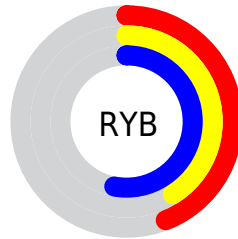
Distribution



Red (44%)

Green (41%)

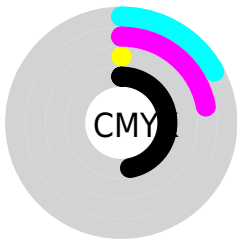
Blue (53%)



Red (44%)

Yellow (41%)

Blue (53%)

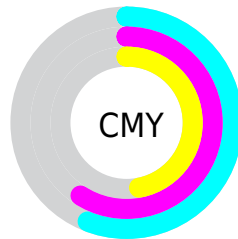


Cyan (17%)

Magenta (22%)

Yellow (0%)

Black (47%)



Cyan (56%)

Magenta (59%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 18.107, 300.841 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, 18.107, 300.841 by changing the saturation by 10% instead.

 46, 18.107,
300.841


 46, 18.107,
300.841


 100, 18.107,
300.841


 36, 18.107,
300.841

 66, 18.107,
300.841


 26, 18.107,
300.841

 76, 18.107,
300.841

 16, 18.107,
300.841


 86, 18.107,
300.841

 6, 18.107, 300.841

 96, 18.107,
300.841

 0, 18.107, 300.841

 46, 18.107,

 46, 18.107,

300.841

300.841

■ 41, 26.723,
301.707

■ 51, 9.785, 300.075

■ 37, 35.618,
302.676

■ 55, 1.760, 299.398

■ 60, 5.981, 118.830

■ 32, 44.727,
303.732

■ 64, 13.452,
118.325

■ 28, 53.895,
304.836

■ 69, 20.671,
117.889

■ 24, 62.806,
305.909

■ 73, 27.651,
117.513

■ 20, 70.887,
306.818

■ 78, 34.409,
117.189

■ 18, 77.293,
307.378

■ 82, 40.958,
116.910

■ 16, 81.529,
307.765

■ 87, 47.311,

Harmonies

Complementary

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



46, 18.107, 300.841



55, 17.311, 117.886

Rectangle

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



46, 18.107, 300.841



46, 18.107, 350.841



46, 18.107, 120.841



46, 18.107, 170.841

Sweetspot

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



46, 18.106, 300.840



68, 6.896, 299.722



52, 9.375, 222.464



35, 4.519, 299.754



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



46, 18.106, 300.840



56, 27.580, 301.293



47, 19.639, 317.170



26, 4.424, 299.855



15, 79.366, 307.793



0, 1.044, 299.269

Inverse Universe

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



48, 18.029, 333.116



59, 27.211, 333.481



54, 19.345, 135.268



26, 4.481, 332.249



29, 58.892, 339.818



0, 1.066, 331.716

Previews

White Background



This preview shows how the CIELCh color 46, 18.107, 300.841 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 CIELCh color 46, 18.107, 300.841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

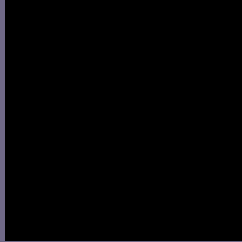
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 18.107, 300.841

Background



This preview shows how black text looks on a background with the CIELCh color 46, 18.107, 300.841.



This preview shows how white text looks on a background with the CIELCh color 46, 18.107, 300.841.

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, 18.107, 300.841

Protanopia

46, 17.312, 285.342

Deuteranopia

46, 16.655, 292.439



Tritanopia
46, 5.376, 295.151

Trichromacy



Original Color
46, 18.107, 300.841

Protanomaly
46, 17.246, 291.306

Deuteranomaly
46, 17.325, 296.183

Tritanomaly
46, 10.206, 298.091

Monochromacy



Original Color
46, 18.107, 300.841

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.666, 301.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 18.107, 300.841 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(112, 105, 135)` looks like.

```
.text, #text, p{  
    color:rgb(112, 105, 135)  
}
```

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(112, 105, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 105, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 18.107, 300.841 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(112, 105, 135) }
```

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

```
.border{ border-color:rgb(112, 105, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 105, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 105, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 105, 135);  
box-shadow:4px 4px 4px 4px rgb(112, 105,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 18.107, 300.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 105, 135) }
```

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

```
.background{ background-color: rgb(112,  
105, 135) }
```

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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