

Converting Colors

CIELCh(46, 7.307, 302.774)

Have a look what the booklet for
CIELCh(46, 7.307, 302.774) contains.

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Color

CIELCh(46, 7.341, 303.583)

Conversions

Conversions Part 1

Format	Color
Hex	6F6B77
RGB	111, 107, 119
RGB Percent	44%, 42%, 47%
CMY	0.5641, 0.5798, 0.5328
CMYK	0.07, 0.10, 0.00, 0.53
HSL	260°, 5%, 44%
HSV	260°, 10%, 47%
XYZ	15.1840, 15.2687, 19.6447
YIQ	109.5640, -1.4680, 4.5800

Conversions

Conversions Part 2

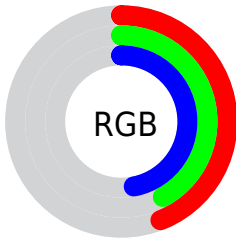
Format	Color
R_{YB}	111, 107, 119
Decimal	7302007
CIE _{Lab}	46.00, 4.06, -6.12
CIE _{LCh}	46, 7.341, 303.583
Yxy	15.2687, 0.3031, 0.3048
Android (android.graphics.Color)	4285492087 (0xFF6F6B77)
YUV	109.5640, 4.6519, 1.2594
Hunter-Lab	39.0751, 0.9811, -2.4550

Details

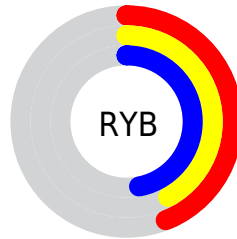
The CIELCh color $46, 7.341, 303.583$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 7.207, 122.533$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 7.479, 305.314$, and $26, 7.354, 301.657$ is the 20% darker color. If you saturate the color by 10%, you get $42, 14.865, 304.187$, and if you desaturate by 10%, it is $50, 0.059, 302.345$.

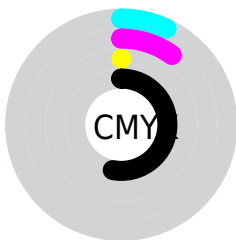
Distribution



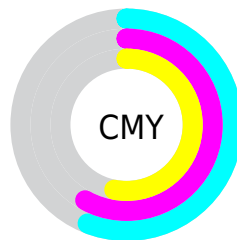
- Red (44%)
- Green (42%)
- Blue (47%)



- Red (44%)
- Yellow (42%)
- Blue (47%)



- Cyan (7%)
- Magenta (10%)
- Yellow (0%)
- Black (53%)



- Cyan (56%)
- Magenta (58%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 7.341, 303.583 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, 7.341, 303.583 by changing the saturation by 10% instead.

■ 46, 7.341, 303.583

■ 46, 7.341, 303.583

■ 100, 7.341,
303.583

■ 36, 7.341, 303.583

■ 66, 7.341, 303.583

■ 26, 7.341, 303.583

■ 76, 7.341, 303.583

■ 16, 7.341, 303.583

■ 86, 7.341, 303.583

■ 6, 7.341, 303.583

■ 96, 7.341, 303.583

■ 0, 7.341, 303.583

■ 46, 7.341, 303.583

■ 46, 7.341, 303.583

■ 42, 14.865,
304.187

■ 50, 0.059, 302.345

■ 38, 22.627,

■ 54, 6.982, 122.584

304.862

58, 13.793,
122.169

34, 30.602,
305.600

62, 20.383,
121.809

30, 38.724,
306.387

66, 26.767,
121.497

26, 46.863,
307.189

70, 32.954,
121.227

22, 54.772,
307.946

74, 38.958,
120.995

19, 62.036,
308.561

78, 44.789,
120.795

17, 68.050,
308.897

82, 50.458,
120.624

14, 73.209,
309.163

Harmonies

Complementary

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



46, 7.341, 303.583



49, 7.207, 122.533

Rectangle

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



46, 7.341, 303.583



46, 7.341, 353.583



46, 7.341, 123.583



46, 7.341, 173.583

Sweetspot

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



46, 7.340, 303.580



63, 2.693, 303.185



48, 3.882, 234.503



32, 2.059, 303.226



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 7.340, 303.580



58, 10.916, 303.709



47, 8.169, 319.719



22, 4.042, 303.519



15, 74.663, 309.135



35, 127.420, 308.606

Inverse Universe

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



47, 6.830, 336.305



59, 10.138, 336.467



49, 8.127, 138.874



23, 3.764, 336.229



26, 52.904, 346.516



55, 88.760, 347.900

Previews

White Background



This preview shows how the CIELCh color 46, 7.341, 303.583 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, 7.341, 303.583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

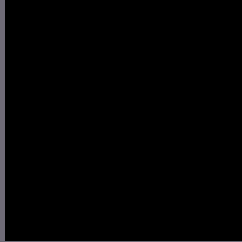
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

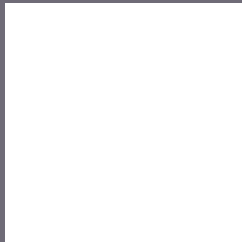
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 7.341, 303.583

Background



This preview shows how black text looks on a background with the CIELCh color 46, 7.341, 303.583.

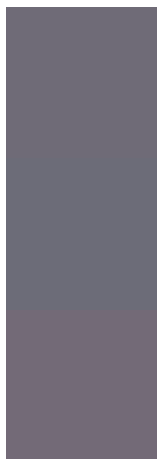


This preview shows how white text looks on a background with the CIELCh color 46, 7.341, 303.583.

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, 7.341, 303.583

Protanopia

46, 7.139, 291.167

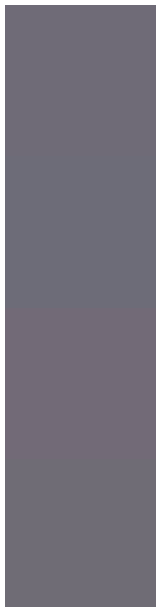
Deuteranopia

46, 8.566, 315.910



Tritanopia
46, 4.924, 304.916

Trichromacy



Original Color

46, 7.341, 303.583

Protanomaly

46, 7.155, 294.304

Deuteranomaly

46, 8.406, 313.417

Tritanomaly

46, 5.502, 303.446

Monochromacy



Original Color

46, 7.341, 303.583

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 2.419, 300.110

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 7.341, 303.583 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(111, 107, 119)` looks like.

```
.text, #text, p{  
    color:rgb(111, 107, 119)  
}
```

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(111, 107, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 107, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 7.341, 303.583 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(111, 107, 119) }
```

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

```
.border{ border-color:rgb(111, 107, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 107, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 107, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 107, 119);  
box-shadow:4px 4px 4px 4px rgb(111, 107,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 7.341, 303.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 107, 119) }
```

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

```
.background{ background-color: rgb(111,  
107, 119) }
```

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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