

Converting Colors

CIELCh(46, 16.252, 319.091)

Have a look what the booklet for
CIELCh(46, 16.252, 319.091)
contains.

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Color

CIELCh(46, 16.148, 319.354)

Conversions

Conversions Part 1

Format	Color
Hex	7A677F
RGB	122, 103, 127
RGB Percent	48%, 40%, 50%
CMY	0.5229, 0.5974, 0.5033
CMYK	0.04, 0.19, 0.00, 0.50
HSL	287°, 10%, 45%
HSV	287°, 19%, 50%
XYZ	16.6014, 15.2687, 22.0314
YIQ	111.4170, 3.6200, 11.4920

Conversions

Conversions Part 2

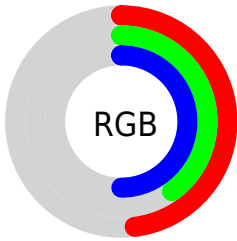
Format	Color
R_{YB}	122, 103, 127
Decimal	8021887
CIE _{Lab}	46.00, 12.25, -10.52
CIE _{LCh}	46, 16.148, 319.354
Yxy	15.2687, 0.3080, 0.2833
Android (android.graphics.Color)	4286211967 (0xFF7A677F)
YUV	111.4170, 7.6824, 9.2813
Hunter-Lab	39.0751, 7.4556, -6.0764

Details

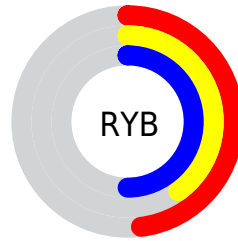
The CIELCh color $46, 16.148, 319.354$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 15.999, 137.685$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 16.436, 319.665$, and $26, 16.114, 319.099$ is the 20% darker color. If you saturate the color by 10%, you get $42, 24.794, 319.783$, and if you desaturate by 10%, it is $50, 7.562, 318.916$.

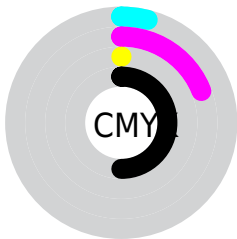
Distribution



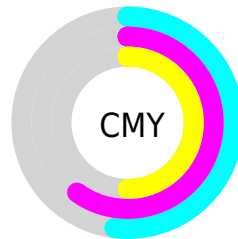
- Red (48%)
- Green (40%)
- Blue (50%)



- Red (48%)
- Yellow (40%)
- Blue (50%)



- Cyan (4%)
- Magenta (19%)
- Yellow (0%)
- Black (50%)





- Cyan (52%)
- Magenta (60%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.148, 319.354 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, 16.148, 319.354 by changing the saturation by 10% instead.


 46, 16.148,
319.354


 46, 16.148,
319.354


 100, 16.148,
319.354


 36, 16.148,
319.354

 66, 16.148,
319.354


 26, 16.148,
319.354

 76, 16.148,
319.354

 16, 16.148,
319.354


 86, 16.148,
319.354

 6, 16.148, 319.354

 96, 16.148,
319.354

 0, 16.148, 319.354

 46, 16.148,

 46, 16.148,

319.354

42, 24.794,
319.783

39, 33.382,
320.193

36, 41.728,
320.561

33, 49.578,
320.861

30, 56.606,
321.054

28, 62.442,
321.099

26, 66.745,
320.956

25, 69.797,
320.667

319.354

50, 7.562, 318.916

53, 0.881, 138.685

57, 9.137, 138.135

61, 17.179,
137.750

65, 24.999,
137.395

69, 32.593,
137.068

73, 39.966,
136.768

76, 47.127,
136.493

80, 54.084,

■ 24, 70.128,
320.640

136.244

Harmonies

Complementary

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



46, 16.148, 319.354



51, 15.999, 137.685

Rectangle

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



46, 16.148, 319.354



46, 16.148, 9.354



46, 16.148, 139.354



46, 16.148, 189.354

Sweetspot

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



46, 16.146, 319.354



65, 6.310, 318.789



46, 11.304, 281.751



34, 4.220, 318.813



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 16.146, 319.354



57, 24.501, 319.553



46, 14.065, 334.854



25, 4.795, 318.923



25, 70.468, 320.635



0, 0.000, 0.000

Inverse Universe

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



46, 10.480, 4.414



57, 16.028, 4.958



51, 13.969, 152.299



25, 3.062, 3.358



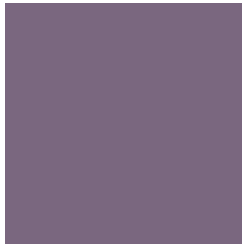
26, 54.444, 26.898



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 16.148, 319.354 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, 16.148, 319.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

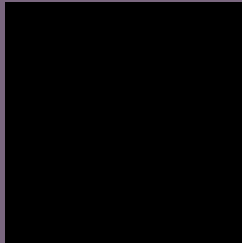
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 16.148, 319.354

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.148, 319.354.



This preview shows how white text looks on a background with the CIELCh color 46, 16.148, 319.354.

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, 16.148, 319.354

Protanopia

46, 13.132, 285.450

Deuteranopia

46, 12.172, 302.740



Tritanopia
46, 7.784, 342.840

Trichromacy



Original Color
46, 16.148, 319.354

Protanomaly
46, 13.814, 298.347

Deuteranomaly
46, 13.269, 310.609

Tritanomaly
46, 10.812, 330.523

Monochromacy



Original Color
46, 16.148, 319.354

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 6.067, 318.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.148, 319.354 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(122, 103, 127)` looks like.

```
.text, #text, p{  
    color:rgb(122, 103, 127)  
}
```

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(122, 103, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 103, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.148, 319.354 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(122, 103, 127) }
```

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

```
.border{ border-color:rgb(122, 103, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 103, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 103, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 103, 127);  
box-shadow:4px 4px 4px 4px rgb(122, 103,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.148, 319.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 103, 127) }
```

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

```
.background{ background-color: rgb(122,  
103, 127) }
```

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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