

Converting Colors

CIELCh(46, 17.284, 331.834)

Have a look what the booklet for
CIELCh(46, 17.284, 331.834)
contains.

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Color

CIELCh(46, 16.941, 331.269)

Conversions

Conversions Part 1

Format	Color
Hex	80657B
RGB	128, 101, 123
RGB Percent	50%, 40%, 48%
CMY	0.4988, 0.6047, 0.5184
CMYK	0.00, 0.21, 0.04, 0.50
HSL	311°, 12%, 45%
HSV	311°, 21%, 50%
XYZ	17.0696, 15.2687, 20.7213
YIQ	111.5810, 9.0300, 12.5660

Conversions

Conversions Part 2

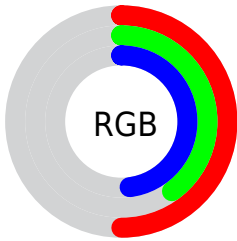
Format	Color
R_{YB}	128, 101, 123
Decimal	8414587
CIE _{Lab}	46.00, 14.86, -8.14
CIE _{LCh}	46, 16.941, 331.269
Yxy	15.2687, 0.3217, 0.2878
Android (android.graphics.Color)	4286604667 (0xFF80657B)
YUV	111.5810, 5.6296, 14.3995
Hunter-Lab	39.0751, 9.5944, -4.0885

Details

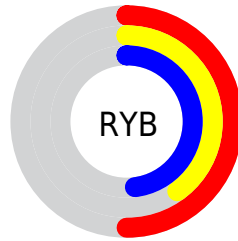
The CIELCh color $46, 16.941, 331.269$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 16.879, 148.608$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 16.793, 331.756$, and $26, 16.639, 331.107$ is the 20% darker color. If you saturate the color by 10%, you get $43, 24.951, 331.903$, and if you desaturate by 10%, it is $49, 8.880, 330.647$.

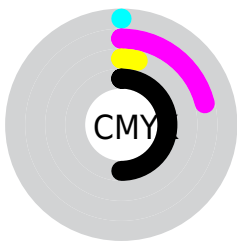
Distribution



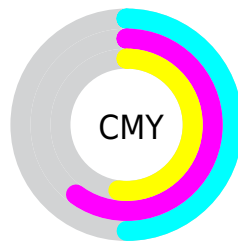
- Red (50%)
- Green (40%)
- Blue (48%)



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



- Cyan (0%)
- Magenta (21%)
- Yellow (4%)
- Black (50%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.941, 331.269 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, 16.941, 331.269 by changing the saturation by 10% instead.


 46, 16.941,
331.269


 46, 16.941,
331.269


 100, 16.941,
331.269


 36, 16.941,
331.269

 66, 16.941,
331.269


 26, 16.941,
331.269

 76, 16.941,
331.269

 16, 16.941,
331.269


 86, 16.941,
331.269

 6, 16.941, 331.269

 96, 16.941,
331.269

 0, 16.941, 331.269

 46, 16.941,

 46, 16.941,

331.269

43, 24.951,
331.903

39, 32.744,
332.551

37, 40.082,
333.214

34, 46.672,
333.896

32, 52.182,
334.604

30, 56.299,
335.354

29, 58.813,
336.171

28, 60.214,
336.934

331.269

49, 8.880, 330.647

53, 0.891, 329.836

57, 6.952, 149.546

60, 14.605,
148.987

64, 22.046,
148.465

68, 29.266,
147.971

72, 36.267,
147.504

76, 43.057,
147.064

79, 49.644,

Harmonies

Complementary

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



46, 16.941, 331.269



51, 16.879, 148.608

Rectangle

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



46, 16.941, 331.269



46, 16.941, 21.269



46, 16.941, 151.269



46, 16.941, 201.269

Sweetspot

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



46, 16.939, 331.270



65, 5.909, 330.330



44, 16.348, 298.970



34, 3.951, 330.364



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, 16.939, 331.270



57, 24.816, 331.550



46, 12.331, 356.861



25, 4.487, 330.520



28, 60.114, 336.932



0, 0.000, 0.000

Inverse Universe

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



46, 16.939, 331.270



57, 24.816, 331.550



51, 11.668, 172.904



25, 4.487, 330.520



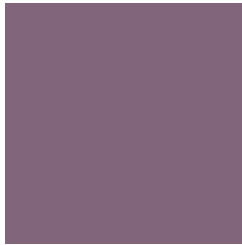
28, 60.114, 336.932



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 16.941, 331.269 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, 16.941, 331.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

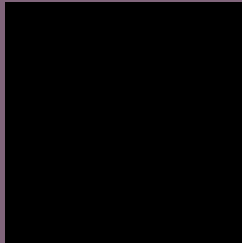
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 16.941, 331.269

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.941, 331.269.



This preview shows how white text looks on a background with the CIELCh color 46, 16.941, 331.269.

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, 16.941, 331.269

Protanopia

46, 11.922, 286.372

Deuteranopia

46, 10.073, 309.629



Tritanopia
46, 10.647, 354.430

Trichromacy



Original Color
46, 16.941, 331.269

Protanomaly
46, 12.941, 305.667

Deuteranomaly
46, 12.301, 320.428

Tritanomaly
46, 12.814, 344.190

Monochromacy



Original Color
46, 16.941, 331.269

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 6.272, 330.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.941, 331.269 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(128, 101, 123)` looks like.

```
.text, #text, p{  
    color:rgb(128, 101, 123)  
}
```

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(128, 101, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 101, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.941, 331.269 is called "border". The border property can be set on classes, ids or directly on the HTML element.

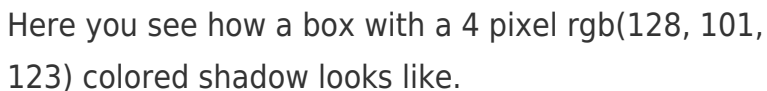
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 101, 123) }
```

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

```
.border{ border-color:rgb(128, 101, 123) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 101, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 101, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 101, 123); box-shadow:4px 4px 4px 4px rgb(128, 101, 123) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.941, 331.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 101, 123) }
```

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

```
.background{ background-color: rgb(128,  
101, 123) }
```

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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