

Converting Colors

CIELCh(46, 19.193, 292.294)

Have a look what the booklet for
CIELCh(46, 19.193, 292.294)
contains.

| | |
|--|----|
| CIELCh(46, 19.647, 292.840) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 21 |
| <i>Color Blindness Simulation</i> | 24 |
| <i>CSS Examples</i> | 27 |

Color

CIELCh(46, 19.647, 292.840)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 6A6A8B |
| RGB | 106, 106, 139 |
| RGB Percent | 42%, 42%, 55% |
| CMY | 0.5839, 0.5839, 0.4545 |
| CMYK | 0.24, 0.24, 0.00, 0.45 |
| HSL | 240°, 13%, 48% |
| HSV | 240°, 24%, 55% |
| XYZ | 15.7906, 15.2687, 26.5847 |
| YIQ | 109.7620, -10.5930, 10.2630 |

Conversions

Conversions Part 2

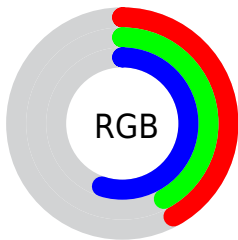
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 106, 106, 139 |
| Decimal | 6974091 |
| CIE _{Lab} | 46.00, 7.63, -18.11 |
| CIE _{LCh} | 46, 19.647, 292.840 |
| Yxy | 15.2687, 0.2739, 0.2649 |
| Android (android.graphics.Color) | 4285164171 (0xFF6A6A8B) |
| YUV | 109.7620, 14.4143, -3.2993 |
| Hunter-Lab | 39.0751, 3.7519, -12.9853 |

Details

The CIELCh color $46, 19.647, 292.840$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 18.617, 107.958$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 19.998, 293.236$, and $26, 19.664, 292.969$ is the 20% darker color. If you saturate the color by 10%, you get $41, 28.508, 294.295$, and if you desaturate by 10%, it is $51, 11.141, 291.596$.

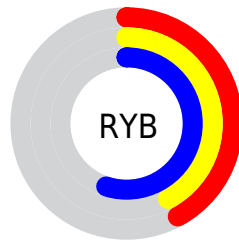
Distribution



Red (42%)

Green (42%)

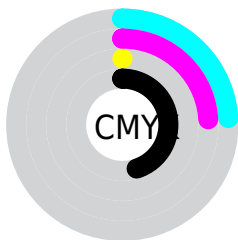
Blue (55%)



Red (42%)

Yellow (42%)

Blue (55%)

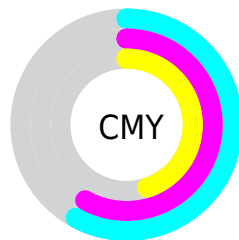


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (45%)



Cyan (58%)


Magenta (58%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 19.647, 292.840 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, 19.647, 292.840 by changing the saturation by 10% instead.


 46, 19.647,
292.840


 46, 19.647,
292.840


 100, 19.647,
292.840


 36, 19.647,
292.840

 66, 19.647,
292.840


 26, 19.647,
292.840

 76, 19.647,
292.840

 16, 19.647,
292.840


 86, 19.647,
292.840

 6, 19.647, 292.840

 96, 19.647,
292.840

 0, 19.647, 292.840

 46, 19.647,

 46, 19.647,

292.840

41, 28.508,
294.295

36, 37.739,
295.983

31, 47.312,
297.901

26, 57.092,
299.998

22, 66.702,
302.142

19, 75.338,
304.086

16, 81.768,
305.520

15, 85.260,
306.287

292.840

51, 11.141,
291.596

56, 2.970, 290.548

61, 4.892, 109.619

66, 12.467,
108.853

71, 19.777,
108.193

76, 26.840,
107.625

81, 33.671,
107.133

85, 40.285,
106.706

■ 90, 46.696,
106.333

Harmonies

Complementary

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



46, 19.647, 292.840



57, 18.617, 107.958

Rectangle

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



46, 19.647, 292.840



46, 19.647, 342.840



46, 19.647, 112.840



46, 19.647, 162.840

Sweetspot

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



46, 19.646, 292.839



69, 6.960, 290.885



56, 12.109, 198.250



36, 4.562, 290.935



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



46, 19.646, 292.839



56, 29.039, 293.522



47, 20.581, 310.155



26, 4.503, 291.092



14, 82.345, 306.287



0, 2.057, 290.178

Inverse Universe

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



49, 23.169, 325.689



61, 33.879, 325.943



56, 19.943, 128.017



27, 5.441, 324.905



31, 71.115, 328.233



0, 2.512, 324.439

Previews

White Background



This preview shows how the CIELCh color 46, 19.647, 292.840 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, 19.647, 292.840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

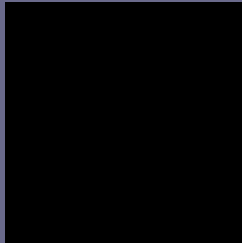
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 19.647, 292.840

Background



This preview shows how black text looks on a background with the CIELCh color 46, 19.647, 292.840.



This preview shows how white text looks on a background with the CIELCh color 46, 19.647, 292.840.

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, 19.647, 292.840

Protanopia

46, 19.143, 284.245

Deuteranopia

46, 19.036, 289.514



Tritanopia
46, 6.117, 260.442

Trichromacy



Original Color
46, 19.647, 292.840

Protanomaly
46, 19.662, 287.653

Deuteranomaly
46, 19.026, 290.585

Tritanomaly
46, 10.298, 278.840

Monochromacy



Original Color
46, 19.647, 292.840

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 7.127, 291.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 19.647, 292.840 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(106, 106, 139)` looks like.

```
.text, #text, p{  
    color:rgb(106, 106, 139)  
}
```

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(106, 106, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 106, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 19.647, 292.840 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(106, 106, 139) }
```

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

```
.border{ border-color:rgb(106, 106, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 106, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 106, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 106, 139);  
box-shadow:4px 4px 4px 4px rgb(106, 106,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 19.647, 292.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 106, 139) }
```

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

```
.background{ background-color: rgb(106,  
106, 139) }
```

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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