

Converting Colors

CIELCh(46, 18.160, 267.565)

Have a look what the booklet for
CIELCh(46, 18.160, 267.565)
contains.

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Color

CIELCh(46, 17.987, 267.426)

Conversions

Conversions Part 1

Format	Color
Hex	596F8B
RGB	89, 111, 139
RGB Percent	35%, 44%, 55%
CMY	0.6521, 0.5659, 0.4561
CMYK	0.36, 0.20, 0.00, 0.46
HSL	214°, 22%, 45%
HSV	214°, 36%, 54%
XYZ	14.3812, 15.2687, 26.4970
YIQ	107.6140, -22.1000, 4.0440

Conversions

Conversions Part 2

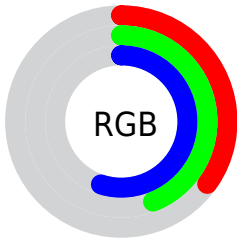
Format	Color
R _Y B	89, 104, 139
Decimal	5861259
CIE Lab	46.00, -0.81, -17.97
CIE LCh	46, 17.987, 267.426
Yxy	15.2687, 0.2561, 0.2719
Android (android.graphics.Color)	4284051339 (0xFF596F8B)
YUV	107.6140, 15.4733, -16.3245
Hunter-Lab	39.0751, -2.6864, -12.8522

Details

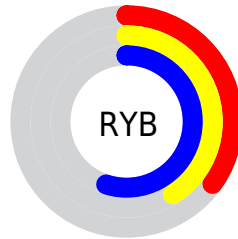
The CIELCh color $46, 17.987, 267.426$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $50, 19.138, 77.052$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 18.080, 266.473$, and $26, 17.833, 266.246$ is the 20% darker color. If you saturate the color by 10%, you get $43, 22.950, 269.715$, and if you desaturate by 10%, it is $49, 13.007, 265.475$.

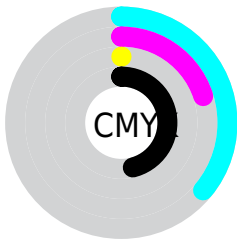
Distribution



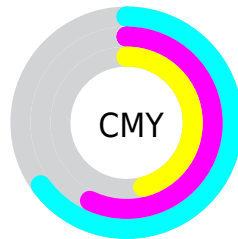
- Red (35%)
- Green (44%)
- Blue (55%)



- Red (35%)
- Yellow (41%)
- Blue (55%)



- Cyan (36%)
- Magenta (20%)
- Yellow (0%)
- Black (46%)



- Cyan (65%)
- Magenta (57%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 17.987, 267.426 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, 17.987, 267.426 by changing the saturation by 10% instead.


 46, 17.987,
267.426


 46, 17.987,
267.426


 100, 17.987,
267.426


 36, 17.987,
267.426

 66, 17.987,
267.426

 26, 17.987,
267.426

 76, 17.987,
267.426

 16, 17.987,
267.426


 86, 17.987,
267.426

 6, 17.987, 267.426

 96, 17.987,
267.426

 0, 17.987, 267.426

 46, 17.987,

 46, 17.987,

267.426

267.426

■ 43, 22.950,
269.715

■ 49, 13.007,
265.475

■ 40, 27.905,
272.391

■ 52, 8.015, 263.821

■ 37, 32.870,
275.482

■ 56, 3.021, 262.449

■ 59, 1.967, 81.021

■ 34, 37.880,
278.986

■ 62, 6.936, 80.056

■ 31, 42.983,
282.842

■ 66, 11.878, 79.154

■ 69, 16.784, 78.358

■ 28, 48.223,
286.873

■ 72, 21.648, 77.655

■ 27, 50.356,
288.348

■ 75, 26.463, 77.030

Harmonies

Complementary

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



46, 17.987, 267.426



50, 19.138, 77.052

Rectangle

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



46, 17.987, 267.426



46, 17.987, 317.426



46, 17.987, 87.426



46, 17.987, 137.426

Sweetspot

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



46, 17.986, 267.425



69, 6.833, 263.123



54, 23.101, 163.009



36, 4.627, 263.289



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, 17.986, 267.425



56, 26.650, 269.204



40, 30.551, 296.216



27, 2.804, 262.840



26, 48.528, 288.154



1, 1.302, 261.616

Inverse Universe

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



44, 24.269, 350.605



53, 35.967, 351.666



56, 28.007, 109.051



27, 3.685, 347.732



27, 51.952, 6.299



0, 1.689, 347.004

Previews

White Background



This preview shows how the CIELCh color 46, 17.987, 267.426 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, 17.987, 267.426 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

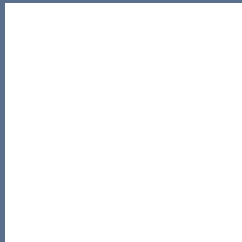
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 17.987, 267.426

Background



This preview shows how black text looks on a background with the CIELCh color 46, 17.987, 267.426.

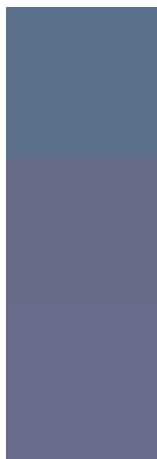


This preview shows how white text looks on a background with the CIELCh color 46, 17.987, 267.426.

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, 17.987, 267.426

Protanopia

46, 16.726, 284.981

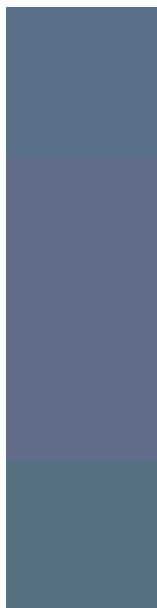
Deuteranopia

46, 19.641, 288.673



Tritanopia
46, 11.684, 225.785

Trichromacy



Original Color
46, 17.987, 267.426

Protanomaly
46, 17.039, 277.918

Deuteranomaly
46, 19.237, 282.213

Tritanomaly
46, 13.263, 244.738

Monochromacy



Original Color
46, 17.987, 267.426

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 7.174, 265.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 17.987, 267.426 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(89, 111, 139)` looks like.

```
.text, #text, p{  
    color:rgb(89, 111, 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(89, 111, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 111, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 17.987, 267.426 is called "border". The border property can be set on classes, ids or directly on the HTML element.

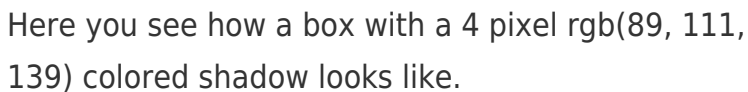
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(89, 111, 139) }
```

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

```
.border{ border-color:rgb(89, 111, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(89, 111, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 111, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 111, 139);  
box-shadow:4px 4px 4px 4px rgb(89, 111,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 17.987, 267.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 111, 139) }
```

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

```
.background{ background-color: rgb(89, 111,  
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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