

Converting Colors

CIELCh(46, 18.591, 250.779)

Have a look what the booklet for
CIELCh(46, 18.591, 250.779)
contains.

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Color

CIELCh(46, 18.800, 251.291)

Conversions

Conversions Part 1

Format	Color
Hex	4C718A
RGB	76, 113, 138
RGB Percent	30%, 44%, 54%
CMY	0.7008, 0.5557, 0.4576
CMYK	0.45, 0.18, 0.00, 0.46
HSL	204°, 29%, 42%
HSV	204°, 45%, 54%
XYZ	13.5520, 15.2687, 26.3938
YIQ	104.7870, -30.0770, -0.0690

Conversions

Conversions Part 2

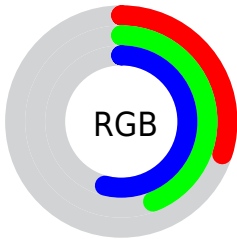
Format	Color
R_{YB}	76, 99, 138
Decimal	5009802
CIE _{Lab}	46.00, -6.03, -17.81
CIE _{LCh}	46, 18.800, 251.291
Yxy	15.2687, 0.2454, 0.2765
Android (android.graphics.Color)	4283199882 (0xFF4C718A)
YUV	104.7870, 16.3740, -25.2462
Hunter-Lab	39.0751, -6.4744, -12.6956

Details

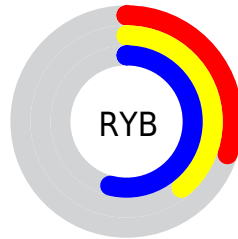
The CIELCh color **46, 18.800, 251.291** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 23.064, 59.985**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 18.520, 250.209**, and **26, 18.863, 251.939** is the 20% darker color. If you saturate the color by 10%, you get **44, 22.479, 253.829**, and if you desaturate by 10%, it is **48, 14.902, 249.189**.

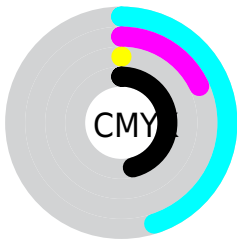
Distribution



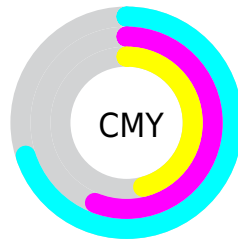
- Red (30%)
- Green (44%)
- Blue (54%)



- Red (30%)
- Yellow (39%)
- Blue (54%)



- Cyan (45%)
- Magenta (18%)
- Yellow (0%)
- Black (46%)





- Cyan (70%)
- Magenta (56%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 18.800, 251.291 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, 18.800, 251.291 by changing the saturation by 10% instead.


 46, 18.800,
251.291


 46, 18.800,
251.291


 100, 18.800,
251.291


 36, 18.800,
251.291

 66, 18.800,
251.291


 26, 18.800,
251.291

 76, 18.800,
251.291

 16, 18.800,
251.291

 86, 18.800,
251.291

 6, 18.800, 251.291

 96, 18.800,
251.291

 0, 18.800, 251.291

 46, 18.800,

 46, 18.800,

251.291

■ 44, 22.479,
253.829

■ 41, 25.934,
256.873

■ 39, 29.183,
260.467

■ 37, 32.278,
264.616

■ 35, 35.310,
269.222

■ 34, 36.935,
271.513

251.291

■ 48, 14.902,
249.189

■ 51, 10.811,
247.459

■ 54, 6.554, 246.043

■ 56, 2.164, 244.956

■ 59, 2.329, 63.664

■ 62, 6.898, 62.928

■ 64, 11.519, 62.246

■ 67, 16.173, 61.659

■ 70, 20.843, 61.153

Harmonies

Complementary

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



46, 18.800, 251.291



46, 23.064, 59.985

Rectangle

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



46, 18.800, 251.291



46, 18.800, 301.291



46, 18.800, 71.291



46, 18.800, 121.291

Sweetspot

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



46, 18.799, 251.290



69, 7.172, 245.850



53, 32.053, 154.489



36, 5.044, 246.101



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, 18.799, 251.290



57, 27.557, 253.932



37, 34.459, 292.209



28, 2.504, 245.370



32, 35.713, 271.294



1, 1.175, 244.313

Inverse Universe

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



41, 32.831, 342.643



49, 48.428, 343.840



55, 31.464, 101.175



27, 4.096, 339.417



28, 53.961, 352.251



0, 1.885, 338.786

Previews

White Background



This preview shows how the CIELCh color 46, 18.800, 251.291 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, 18.800, 251.291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

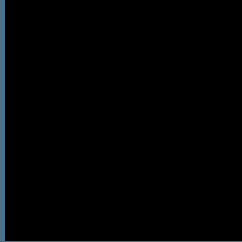
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

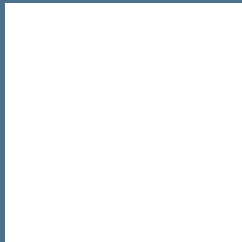
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 18.800, 251.291

Background



This preview shows how black text looks on a background with the CIELCh color 46, 18.800, 251.291.

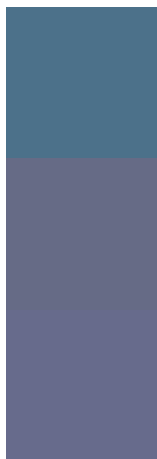


This preview shows how white text looks on a background with the CIELCh color 46, 18.800, 251.291.

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, 18.800, 251.291

Protanopia

46, 16.130, 285.890

Deuteranopia

46, 19.641, 288.673



Tritanopia
46, 15.951, 217.628

Trichromacy



Original Color
46, 18.800, 251.291

Protanomaly
46, 16.830, 272.732

Deuteranomaly
46, 18.490, 275.025

Tritanomaly
46, 16.255, 231.661

Monochromacy



Original Color
46, 18.800, 251.291

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 7.229, 247.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 18.800, 251.291 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(76, 113, 138)` looks like.

```
.text, #text, p{  
    color:rgb(76, 113, 138)  
}
```

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(76, 113, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 113, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 18.800, 251.291 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(76, 113, 138) }
```

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

```
.border{ border-color:rgb(76, 113, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 113, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 113, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 113, 138);  
box-shadow:4px 4px 4px 4px rgb(76, 113,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 18.800, 251.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 113, 138) }
```

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

```
.background{ background-color: rgb(76, 113,  
138) }
```

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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