

Converting Colors

CIELCh(46, 12.396, 252.113)

Have a look what the booklet for
CIELCh(46, 12.396, 252.113)
contains.

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Color

CIELCh(46, 12.181, 250.471)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 5A7080 |
| RGB | 90, 112, 128 |
| RGB Percent | 35%, 44%, 50% |
| CMY | 0.6477, 0.5615, 0.4987 |
| CMYK | 0.30, 0.13, 0.00, 0.50 |
| HSL | 205°, 17%, 43% |
| HSV | 205°, 30%, 50% |
| XYZ | 13.8591, 15.2687, 22.5772 |
| YIQ | 107.2460, -18.2480, 0.3120 |

Conversions

Conversions Part 2

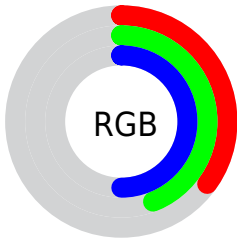
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 90, 104, 128 |
| Decimal | 5927040 |
| CIE Lab | 46.00, -4.07, -11.48 |
| CIE LCh | 46, 12.181, 250.471 |
| Yxy | 15.2687, 0.2680, 0.2953 |
| Android (android.graphics.Color) | 4284117120 (0xFF5A7080) |
| YUV | 107.2460, 10.2317, -15.1247 |
| Hunter-Lab | 39.0751, -5.0715, -6.9045 |

Details

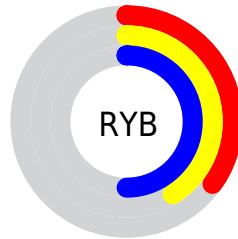
The CIELCh color **46, 12.181, 250.471** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 13.708, 63.347**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 12.186, 249.824**, and **26, 12.237, 252.536** is the 20% darker color. If you saturate the color by 10%, you get **44, 16.014, 252.393**, and if you desaturate by 10%, it is **48, 8.197, 248.874**.

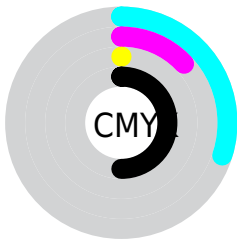
Distribution



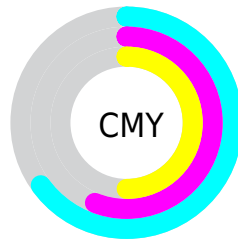
- Red (35%)
- Green (44%)
- Blue (50%)



- Red (35%)
- Yellow (41%)
- Blue (50%)



- Cyan (30%)
- Magenta (13%)
- Yellow (0%)
- Black (50%)





- Cyan (65%)
- Magenta (56%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 12.181, 250.471 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, 12.181, 250.471 by changing the saturation by 10% instead.


 46, 12.181,
250.471


 46, 12.181,
250.471


 100, 12.181,
250.471


 36, 12.181,
250.471

 66, 12.181,
250.471


 26, 12.181,
250.471

 76, 12.181,
250.471

 16, 12.181,
250.471

 86, 12.181,
250.471

 6, 12.181, 250.471

 96, 12.181,
250.471

 0, 12.181, 250.471

 46, 12.181,

 46, 12.181,

250.471

■ 44, 16.014,
252.393

■ 41, 19.675,
254.713

■ 39, 23.152,
257.491

■ 37, 26.452,
260.780

■ 35, 29.606,
264.603

■ 33, 32.676,
268.925

■ 31, 35.807,
273.344

■ 31, 35.896,
273.458

250.471

■ 48, 8.197, 248.874

■ 51, 4.091, 247.574

■ 54, 0.113, 63.646

■ 56, 4.389, 65.370

■ 59, 8.715, 64.608

■ 61, 13.074, 63.941

■ 64, 17.450, 63.364

■ 67, 21.830, 62.863

■ 69, 26.203, 62.425

Harmonies

Complementary

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



46, 12.181, 250.471



46, 13.708, 63.347

Rectangle

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



46, 12.181, 250.471



46, 12.181, 300.471



46, 12.181, 70.471



46, 12.181, 120.471

Sweetspot

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



46, 12.180, 250.467



65, 4.685, 247.516



50, 19.917, 156.936



34, 3.276, 247.660



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, 12.180, 250.467



57, 18.037, 251.799



40, 21.205, 290.266



26, 2.368, 247.503



30, 35.824, 273.444



0, 0.000, 0.000

Inverse Universe

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



43, 20.312, 342.018



52, 30.407, 342.704



52, 20.043, 103.615



25, 3.794, 340.255



27, 52.094, 353.593



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 46, 12.181, 250.471 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, 12.181, 250.471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

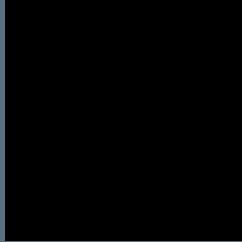
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

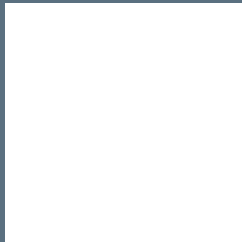
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 12.181, 250.471

Background



This preview shows how black text looks on a background with the CIELCh color 46, 12.181, 250.471.

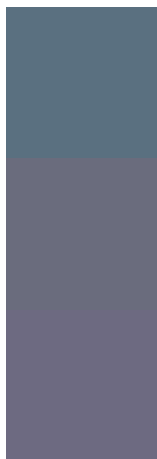


This preview shows how white text looks on a background with the CIELCh color 46, 12.181, 250.471.

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, 12.181, 250.471

Protanopia

46, 10.124, 287.243

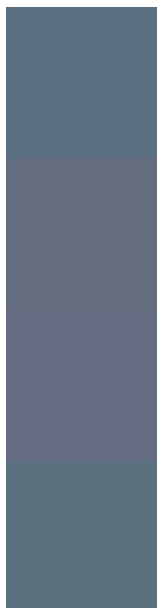
Deuteranopia

46, 13.774, 296.776



Tritanopia
46, 10.224, 230.286

Trichromacy



Original Color
46, 12.181, 250.471

Protanomaly
46, 10.569, 272.926

Deuteranomaly
46, 12.635, 281.708

Tritanomaly
46, 10.794, 236.095

Monochromacy



Original Color
46, 12.181, 250.471

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 4.703, 248.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 12.181, 250.471 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(90, 112, 128)` looks like.

```
.text, #text, p{  
    color:rgb(90, 112, 128)  
}
```

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(90, 112, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 112, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 12.181, 250.471 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(90, 112, 128) }
```

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

```
.border{ border-color:rgb(90, 112, 128) }
```

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

Here you see how a box with a 4 pixel rgb(90, 112, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 112, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 112, 128);  
box-shadow:4px 4px 4px 4px rgb(90, 112,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 12.181, 250.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 112, 128) }
```

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

```
.background{ background-color: rgb(90, 112,  
128) }
```

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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