

Converting Colors

CIELCh(46, 12.124, 291.302)

Have a look what the booklet for
CIELCh(46, 12.124, 291.302)
contains.

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Color

CIELCh(46, 12.502, 291.894)

Conversions

Conversions Part 1

Format	Color
Hex	6B6B80
RGB	107, 107, 128
RGB Percent	42%, 42%, 50%
CMY	0.5795, 0.5795, 0.4971
CMYK	0.16, 0.16, 0.00, 0.50
HSL	240°, 9%, 46%
HSV	240°, 16%, 50%
XYZ	15.2852, 15.2687, 22.6459
YIQ	109.3940, -6.7410, 6.5310

Conversions

Conversions Part 2

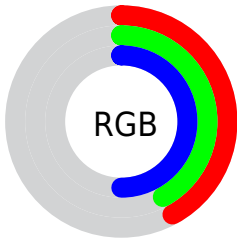
Format	Color
R_{YB}	107, 107, 128
Decimal	7039872
CIE _{Lab}	46.00, 4.66, -11.60
CIE _{LCh}	46, 12.502, 291.894
Yxy	15.2687, 0.2873, 0.2870
Android (android.graphics.Color)	4285229952 (0xFF6B6B80)
YUV	109.3940, 9.1728, -2.0995
Hunter-Lab	39.0751, 1.4432, -7.0088

Details

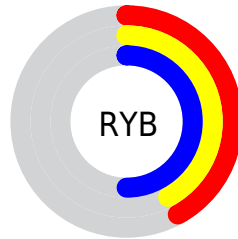
The CIELCh color $46, 12.502, 291.894$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 12.060, 108.659$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 12.780, 293.122$, and $26, 12.464, 290.846$ is the 20% darker color. If you saturate the color by 10%, you get $41, 20.538, 293.175$, and if you desaturate by 10%, it is $51, 4.779, 290.801$.

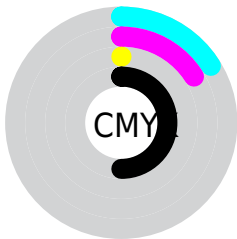
Distribution



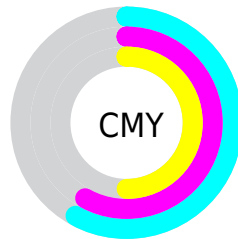
- Red (42%)
- Green (42%)
- Blue (50%)



- Red (42%)
- Yellow (42%)
- Blue (50%)



- Cyan (16%)
- Magenta (16%)
- Yellow (0%)
- Black (50%)




- Cyan (58%)
- Magenta (58%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 12.502, 291.894 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, 12.502, 291.894 by changing the saturation by 10% instead.


 46, 12.502,
291.894


 46, 12.502,
291.894


 100, 12.502,
291.894


 36, 12.502,
291.894

 66, 12.502,
291.894


 26, 12.502,
291.894

 76, 12.502,
291.894

 16, 12.502,
291.894

 86, 12.502,
291.894

 6, 12.502, 291.894

 96, 12.502,
291.894

 0, 12.502, 291.894

 46, 12.502,

 46, 12.502,

291.894

41, 20.538,
293.175

37, 28.912,
294.674

32, 37.627,
296.404

27, 46.643,
298.354

23, 55.799,
300.461

19, 64.677,
302.570

16, 72.437,
304.422

14, 78.249,
305.792

291.894

51, 4.779, 290.801

55, 2.650, 109.839

60, 9.808, 109.053

65, 16.714,
108.370

69, 23.386,
107.782

74, 29.839,
107.273

78, 36.087,
106.830

83, 42.142,
106.445

87, 48.017,

■ 13, 80.380,
306.287

106.107

Harmonies

Complementary

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



46, 12.502, 291.894



53, 12.060, 108.659

Rectangle

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



46, 12.502, 291.894



46, 12.502, 341.894



46, 12.502, 111.894



46, 12.502, 161.894

Sweetspot

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



46, 12.501, 291.892



65, 4.610, 290.677



52, 8.003, 198.616



34, 3.173, 290.735



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, 12.501, 291.892



56, 18.978, 292.390



47, 13.165, 309.787



24, 4.222, 291.079



13, 80.046, 306.287



0, 0.000, 0.000

Inverse Universe

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



48, 14.947, 325.291



59, 22.532, 325.508



52, 12.885, 128.366



25, 5.102, 324.898



30, 69.129, 328.233



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 12.502, 291.894 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, 12.502, 291.894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

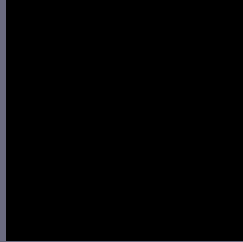
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

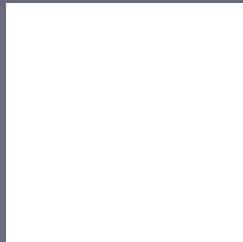
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 12.502, 291.894

Background



This preview shows how black text looks on a background with the CIELCh color 46, 12.502, 291.894.



This preview shows how white text looks on a background with the CIELCh color 46, 12.502, 291.894.

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, 12.502, 291.894

Protanopia

46, 12.512, 286.728

Deuteranopia

46, 13.224, 298.577



Tritanopia
46, 5.544, 274.510

Trichromacy



Original Color
46, 12.502, 291.894

Protanomaly
46, 12.492, 288.435

Deuteranomaly
46, 13.182, 296.930

Tritanomaly
46, 8.350, 286.020

Monochromacy



Original Color
46, 12.502, 291.894

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.754, 290.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 12.502, 291.894 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(107, 107, 128)` looks like.

```
.text, #text, p{  
    color:rgb(107, 107, 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(107, 107, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 107, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 12.502, 291.894 is called "border". The border property can be set on classes, ids or directly on the HTML element.

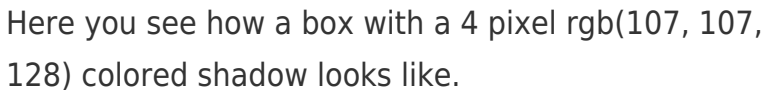
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 107, 128) }
```

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

```
.border{ border-color:rgb(107, 107, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 107, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 107, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 107, 128); box-shadow:4px 4px 4px 4px rgb(107, 107, 128) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 12.502, 291.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 107, 128) }
```

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

```
.background{ background-color: rgb(107,  
107, 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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