

Converting Colors

CIELCh(46, 14.266, 285.494)

Have a look what the booklet for
CIELCh(46, 14.266, 285.494)
contains.

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Color

CIELCh(46, 14.343, 284.741)

Conversions

Conversions Part 1

Format	Color
Hex	676C84
RGB	103, 108, 132
RGB Percent	40%, 42%, 52%
CMY	0.5962, 0.5765, 0.4824
CMYK	0.22, 0.18, 0.00, 0.48
HSL	230°, 12%, 46%
HSV	230°, 22%, 52%
XYZ	15.1151, 15.2687, 23.9729
YIQ	109.2410, -10.6840, 6.4040

Conversions

Conversions Part 2

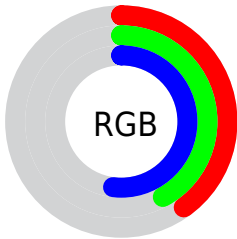
Format	Color
R_{YB}	103, 107, 132
Decimal	6777988
CIE Lab	46.00, 3.65, -13.87
CIE LCh	46, 14.343, 284.741
Yxy	15.2687, 0.2781, 0.2809
Android (android.graphics.Color)	4284968068 (0xFF676C84)
YUV	109.2410, 11.2202, -5.4734
Hunter-Lab	39.0751, 0.6663, -9.0222

Details

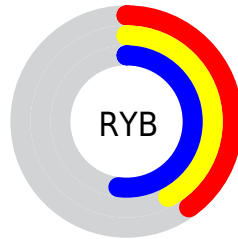
The CIELCh color $46, 14.343, 284.741$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 13.947, 99.620$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 14.490, 284.681$, and $26, 14.515, 283.957$ is the 20% darker color. If you saturate the color by 10%, you get $42, 21.200, 286.309$, and if you desaturate by 10%, it is $50, 7.699, 283.394$.

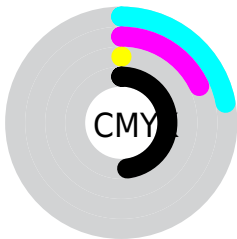
Distribution



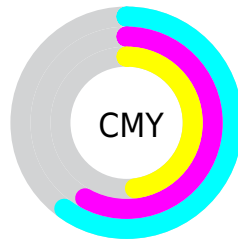
- Red (40%)
- Green (42%)
- Blue (52%)



- Red (40%)
- Yellow (42%)
- Blue (52%)



- Cyan (22%)
- Magenta (18%)
- Yellow (0%)
- Black (48%)





- Cyan (60%)
- Magenta (58%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 14.343, 284.741 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, 14.343, 284.741 by changing the saturation by 10% instead.


 46, 14.343,
284.741


 46, 14.343,
284.741


 100, 14.343,
284.741


 36, 14.343,
284.741

 66, 14.343,
284.741


 26, 14.343,
284.741

 76, 14.343,
284.741

 16, 14.343,
284.741

 86, 14.343,
284.741

 6, 14.343, 284.741

 96, 14.343,
284.741

 0, 14.343, 284.741

 46, 14.343,

 46, 14.343,

284.741

42, 21.200,
286.309

38, 28.292,
288.135

34, 35.638,
290.240

30, 43.244,
292.628

26, 51.071,
295.262

22, 58.973,
298.034

19, 66.592,
300.752

17, 72.150,
302.596

284.741

50, 7.699, 283.394

54, 1.255, 282.301

58, 5.003, 101.193

63, 11.088,
100.333

67, 17.007, 99.577

71, 22.768, 98.911

75, 28.380, 98.324

79, 33.849, 97.803

83, 39.181, 97.338

Harmonies

Complementary

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



46, 14.343, 284.741



53, 13.947, 99.620

Rectangle

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



46, 14.343, 284.741



46, 14.343, 334.741



46, 14.343, 104.741



46, 14.343, 154.741

Sweetspot

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



46, 14.342, 284.739



66, 5.523, 282.822



53, 11.498, 182.661



35, 3.619, 282.874



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



46, 14.342, 284.739



57, 21.107, 285.433



45, 17.720, 303.745



26, 3.626, 283.050



17, 71.299, 302.559



0, 0.858, 282.010

Inverse Universe

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



47, 12.551, 7.498



57, 18.549, 8.067



54, 17.022, 121.236



26, 3.126, 6.104



26, 56.526, 29.729



0, 0.731, 5.371

Previews

White Background



This preview shows how the CIE LCh color 46, 14.343, 284.741 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, 14.343, 284.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

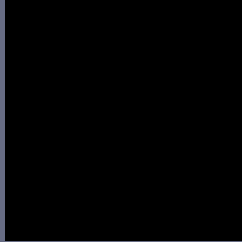
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

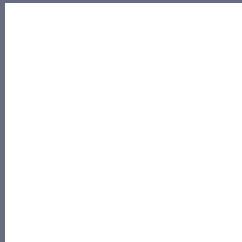
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 14.343, 284.741

Background



This preview shows how black text looks on a background with the CIELCh color 46, 14.343, 284.741.



This preview shows how white text looks on a background with the CIELCh color 46, 14.343, 284.741.

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

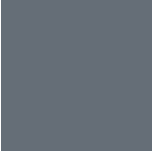
46, 14.343, 284.741

Protanopia

46, 14.309, 286.193

Deuteranopia

46, 15.523, 295.045



Tritanopia
46, 6.309, 257.416

Trichromacy



Original Color
46, 14.343, 284.741

Protanomaly
46, 14.309, 286.193

Deuteranomaly
46, 14.875, 290.781

Tritanomaly
46, 9.241, 274.670

Monochromacy



Original Color
46, 14.343, 284.741

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.806, 281.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 14.343, 284.741 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(103, 108, 132)` looks like.

```
.text, #text, p{  
    color:rgb(103, 108, 132)  
}
```

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(103, 108, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 108, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 14.343, 284.741 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(103, 108, 132) }
```

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

```
.border{ border-color:rgb(103, 108, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 108, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 108, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 108, 132);  
box-shadow:4px 4px 4px 4px rgb(103, 108,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 14.343, 284.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 108, 132) }
```

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

```
.background{ background-color: rgb(103,  
108, 132) }
```

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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