

Converting Colors

CIELCh(46, 16.099, 308.249)

Have a look what the booklet for
CIELCh(46, 16.099, 308.249)
contains.

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Color

CIELCh(46, 16.222, 308.651)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 746882 |
| RGB | 116, 104, 130 |
| RGB Percent | 45%, 41%, 51% |
| CMY | 0.5445, 0.5916, 0.4896 |
| CMYK | 0.11, 0.20, 0.00, 0.49 |
| HSL | 268°, 11%, 46% |
| HSV | 268°, 20%, 51% |
| XYZ | 16.2264, 15.2687, 23.2641 |
| YIQ | 110.5520, -1.1940, 10.6300 |

Conversions

Conversions Part 2

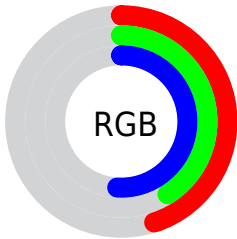
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 116, 104, 130 |
| Decimal | 7628930 |
| CIE _{Lab} | 46.00, 10.13, -12.67 |
| CIE _{LCh} | 46, 16.222, 308.651 |
| Yxy | 15.2687, 0.2963, 0.2788 |
| Android (android.graphics.Color) | 4285819010 (0xFF746882) |
| YUV | 110.5520, 9.5879, 4.7779 |
| Hunter-Lab | 39.0751, 5.7427, -7.9468 |

Details

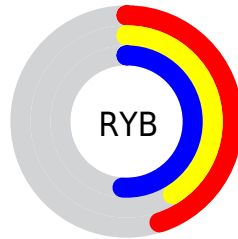
The CIELCh color $46, 16.222, 308.651$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $53, 15.765, 126.816$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 16.319, 308.530$, and $26, 16.439, 308.969$ is the 20% darker color. If you saturate the color by 10%, you get $42, 24.662, 309.186$, and if you desaturate by 10%, it is $50, 7.989, 308.152$.

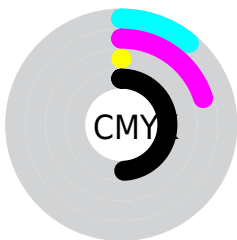
Distribution



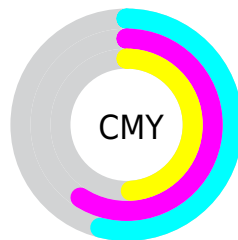
- Red (45%)
- Green (41%)
- Blue (51%)



- Red (45%)
- Yellow (41%)
- Blue (51%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (49%)





- Cyan (54%)
- Magenta (59%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 16.222, 308.651 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, 16.222, 308.651 by changing the saturation by 10% instead.


 46, 16.222,
308.651


 46, 16.222,
308.651


 100, 16.222,
308.651


 36, 16.222,
308.651

 66, 16.222,
308.651


 26, 16.222,
308.651

 76, 16.222,
308.651

 16, 16.222,
308.651


 86, 16.222,
308.651

 6, 16.222, 308.651

 96, 16.222,
308.651

 0, 16.222, 308.651

 46, 16.222,

 46, 16.222,

308.651

42, 24.662,
309.186

38, 33.259,
309.749

34, 41.910,
310.319

30, 50.430,
310.857

26, 58.521,
311.305

23, 65.734,
311.576

20, 71.497,
311.560

18, 76.125,
311.387

308.651

50, 7.989, 308.152

54, 0.009, 136.260

59, 7.765, 127.321

63, 15.283,
126.959

67, 22.568,
126.643

71, 29.631,
126.367

75, 36.484,
126.126

79, 43.137,
125.918

83, 49.603,

■ 18,76.135,
311.387

125.739

Harmonies

Complementary

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



46, 16.222, 308.651



53, 15.765, 126.816

Rectangle

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



46, 16.222, 308.651



46, 16.222, 358.651



46, 16.222, 128.651



46, 16.222, 178.651

Sweetspot

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



46, 16.221, 308.650



66, 5.895, 307.968



49, 8.589, 252.438



34, 3.895, 307.992



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, 16.221, 308.650



57, 24.189, 308.890



47, 18.204, 324.079



26, 4.579, 308.111



18, 76.092, 311.388



0, 1.083, 307.711

Inverse Universe

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



47, 13.434, 343.235



58, 19.969, 343.654



52, 18.158, 141.963



26, 3.812, 342.295



27, 52.063, 357.174



0, 0.904, 341.631

Previews

White Background



This preview shows how the CIELCh color 46, 16.222, 308.651 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, 16.222, 308.651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

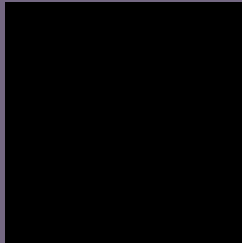
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 16.222, 308.651

Background



This preview shows how black text looks on a background with the CIELCh color 46, 16.222, 308.651.



This preview shows how white text looks on a background with the CIELCh color 46, 16.222, 308.651.

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, 16.222, 308.651

Protanopia

46, 14.930, 285.140

Deuteranopia

46, 14.366, 296.642



Tritanopia
46, 5.561, 321.289

Trichromacy



Original Color
46, 16.222, 308.651

Protanomaly
46, 14.887, 293.639

Deuteranomaly
46, 15.182, 302.259

Tritanomaly
46, 9.652, 312.973

Monochromacy



Original Color
46, 16.222, 308.651

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 5.597, 307.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 16.222, 308.651 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(116, 104, 130)` looks like.

```
.text, #text, p{  
    color:rgb(116, 104, 130)  
}
```

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(116, 104, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 104, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 16.222, 308.651 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(116, 104, 130) }
```

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

```
.border{ border-color:rgb(116, 104, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 104, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 104, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 104, 130);  
box-shadow:4px 4px 4px 4px rgb(116, 104,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 16.222, 308.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 104, 130) }
```

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

```
.background{ background-color: rgb(116,  
104, 130) }
```

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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