

Converting Colors

CIELCh(46, 35.741, 305.088)

Have a look what the booklet for
CIELCh(46, 35.741, 305.088)
contains.

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Color

CIELCh(46, 35.806, 305.104)

Conversions

Conversions Part 1

Format	Color
Hex	76639E
RGB	118, 99, 158
RGB Percent	46%, 39%, 62%
CMY	0.5369, 0.6114, 0.3800
CMYK	0.25, 0.37, 0.00, 0.38
HSL	259°, 23%, 50%
HSV	259°, 37%, 62%
XYZ	18.1320, 15.2687, 34.3798
YIQ	111.4070, -7.6150, 22.3770

Conversions

Conversions Part 2

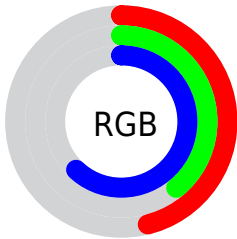
Format	Color
R _Y B	118, 99, 158
Decimal	7758750
CIE Lab	46.00, 20.59, -29.29
CIE LCh	46, 35.806, 305.104
Yxy	15.2687, 0.2675, 0.2253
Android (android.graphics.Color)	4285948830 (0xFF76639E)
YUV	111.4070, 22.9703, 5.7821
Hunter-Lab	39.0751, 14.4477, -24.8130

Details

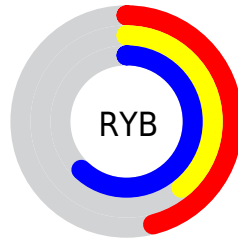
The CIELCh color $46, 35.806, 305.104$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 33.273, 120.581$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 35.812, 304.931$, and $26, 35.736, 305.302$ is the 20% darker color. If you saturate the color by 10%, you get $41, 46.028, 305.929$, and if you desaturate by 10%, it is $51, 25.801, 304.338$.

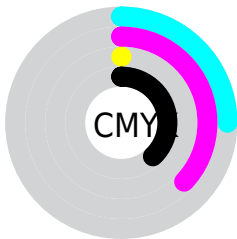
Distribution



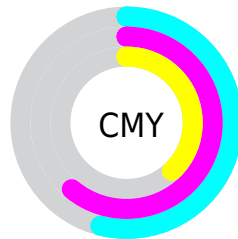
- Red (46%)
- Green (39%)
- Blue (62%)



- Red (46%)
- Yellow (39%)
- Blue (62%)



- Cyan (25%)
- Magenta (37%)
- Yellow (0%)
- Black (38%)





- Cyan (54%)
- Magenta (61%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 35.806, 305.104 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, 35.806, 305.104 by changing the saturation by 10% instead.


 46, 35.806,
305.104


 46, 35.806,
305.104


 100, 35.806,
305.104


 36, 35.806,
305.104

 66, 35.806,
305.104


 26, 35.806,
305.104

 76, 35.806,
305.104

 16, 35.806,
305.104

 86, 35.806,
305.104

 6, 35.806, 305.104

 96, 35.806,
305.104

 0, 35.806, 305.104

 46, 35.806,

 46, 35.806,

305.104

41, 46.028,
305.929

36, 56.318,
306.781

32, 66.374,
307.600

27, 75.671,
308.284

24, 83.415,
308.685

21, 88.950,
308.707

21, 90.361,
308.738

305.104

51, 25.801,
304.338

56, 16.088,
303.645

61, 6.690, 303.026


67, 2.391, 122.511

72, 11.162,
122.022

77, 19.639,
121.608

82, 27.835,
121.251

87, 35.769,
120.943

 92, 43.455,
120.679

Harmonies

Complementary

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



46, 35.806, 305.104



62, 33.273, 120.581

Rectangle

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



46, 35.806, 305.104



46, 35.806, 355.104



46, 35.806, 125.104



46, 35.806, 175.104

Sweetspot

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



46, 35.805, 305.104



76, 12.571, 303.259



56, 16.945, 237.874



39, 8.532, 303.336



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



46, 35.805, 305.104



54, 54.317, 305.807



49, 38.567, 320.930



31, 5.181, 303.140



18, 83.791, 308.822



1, 6.665, 302.005

Inverse Universe

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



50, 32.329, 337.982



60, 48.031, 338.745



61, 38.021, 137.257



31, 4.869, 335.787



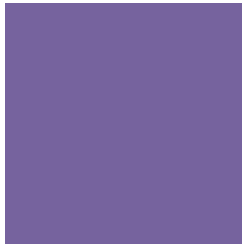
31, 59.365, 346.046



1, 6.165, 336.680

Previews

White Background



This preview shows how the CIELCh color 46, 35.806, 305.104 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, 35.806, 305.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

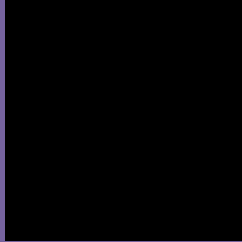
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 35.806, 305.104

Background



This preview shows how black text looks on a background with the CIELCh color 46, 35.806, 305.104.



This preview shows how white text looks on a background with the CIELCh color 46, 35.806, 305.104.

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, 35.806, 305.104

Protanopia

46, 34.623, 285.576

Deuteranopia

46, 28.795, 283.042



Tritanopia
46, 4.838, 300.322

Trichromacy



Original Color
46, 35.806, 305.104

Protanomaly
46, 34.470, 292.607

Deuteranomaly
46, 30.903, 291.845

Tritanomaly
46, 15.835, 303.283

Monochromacy



Original Color
46, 35.806, 305.104

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 12.812, 303.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 35.806, 305.104 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(118, 99, 158)` looks like.

```
.text, #text, p{  
    color:rgb(118, 99, 158)  
}
```

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(118, 99, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 99, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 35.806, 305.104 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(118, 99, 158) }
```

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

```
.border{ border-color:rgb(118, 99, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 99, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 99, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 99, 158);  
box-shadow:4px 4px 4px 4px rgb(118, 99,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 35.806, 305.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 99, 158) }
```

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

```
.background{ background-color: rgb(118, 99,  
158) }
```

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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