

Converting Colors

CIELCh(46, 69.937, 310.423)

Have a look what the booklet for
CIELCh(46, 69.937, 310.423)
contains.

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Color

CIELCh(46, 69.873, 310.407)

Conversions

Conversions Part 1

Format	Color
Hex	8652C7
RGB	134, 82, 199
RGB Percent	53%, 32%, 78%
CMY	0.4739, 0.6779, 0.2190
CMYK	0.33, 0.59, 0.00, 0.22
HSL	267°, 51%, 55%
HSV	267°, 59%, 78%
XYZ	23.2124, 15.2687, 55.8548
YIQ	110.8860, -6.5650, 47.4110

Conversions

Conversions Part 2

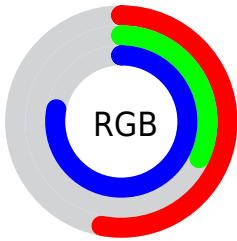
Format	Color
RYB	134, 82, 199
Decimal	8803015
CIELab	46.00, 45.29, -53.21
CIELCh	46, 69.873, 310.407
Yxy	15.2687, 0.2461, 0.1619
Android (android.graphics.Color)	4286993095 (0xFF8652C7)
YUV	110.8860, 43.4402, 20.2710
Hunter-Lab	39.0751, 37.6556, -57.3977

Details

The CIELCh color **46, 69.873, 310.407** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **75, 63.110, 124.450**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 68.860, 310.605**, and **26, 69.931, 310.511** is the 20% darker color. If you saturate the color by 10%, you get **41, 81.307, 310.893**, and if you desaturate by 10%, it is **51, 57.795, 309.823**.

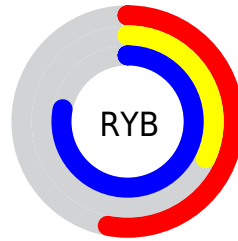
Distribution



Red (53%)

Green (32%)

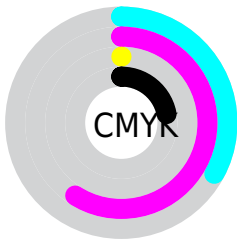
Blue (78%)



Red (53%)

Yellow (32%)

Blue (78%)

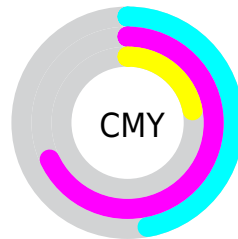


Cyan (33%)

Magenta (59%)

Yellow (0%)

Black (22%)



Cyan (47%)


Magenta (68%)

Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 69.873, 310.407 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, 69.873, 310.407 by changing the saturation by 10% instead.


 46, 69.873,
310.407


 46, 69.873,
310.407


 100, 69.873,
310.407


 36, 69.873,
310.407

 66, 69.873,
310.407


 26, 69.873,
310.407

 76, 69.873,
310.407

 16, 69.873,
310.407

 86, 69.873,
310.407

 6, 69.873, 310.407

 96, 69.873,
310.407

 0, 69.873, 310.407

 46, 69.873,

 46, 69.873,

310.407

41, 81.307,
310.893

36, 91.392,
311.178

33, 99.229,
311.135

30, 104.311,
310.704

30, 104.890,
310.653

310.407

51, 57.795,
309.823

57, 45.540,
309.208

63, 33.380,
308.604

69, 21.466,
308.035

75, 9.872, 307.510

81, 1.372, 127.124

87, 12.258,
126.644

93, 22.794,
126.273

■ 97, 29.351,
123.669

Harmonies

Complementary

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



46, 69.873, 310.407



75, 63.110, 124.450

Rectangle

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



46, 69.873, 310.407



46, 69.873, 0.407



46, 69.873, 130.407



46, 69.873, 180.407

Sweetspot

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



46, 69.872, 310.407



87, 25.162, 308.009



59, 33.107, 259.474



44, 17.560, 308.171



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 69.872, 310.407



51, 102.156, 311.014



53, 72.348, 325.323



39, 6.394, 307.542



24, 90.327, 310.813



2, 22.164, 303.977

Inverse Universe

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



52, 54.890, 346.940



61, 76.820, 349.283



72, 72.493, 138.189



39, 5.402, 341.474



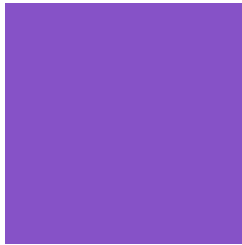
35, 61.601, 356.465



4, 18.456, 349.565

Previews

White Background



This preview shows how the CIELCh color 46, 69.873, 310.407 looks on a white background.

Color Contrast Check

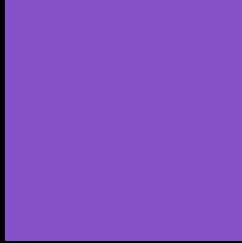
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.873, 310.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

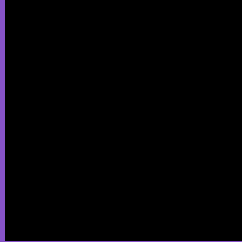
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 69.873, 310.407

Background



This preview shows how black text looks on a background with the CIELCh color 46, 69.873, 310.407.

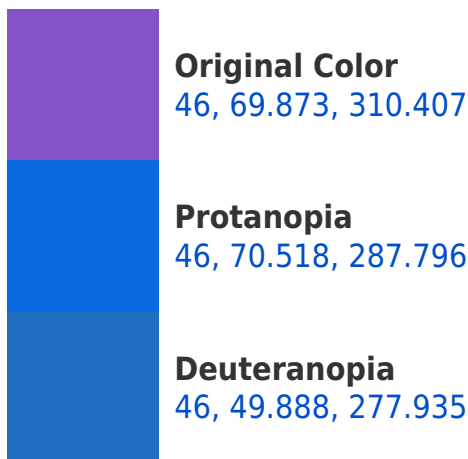



This preview shows how white text looks on a background with the CIELCh color 46, 69.873, 310.407.

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](#).

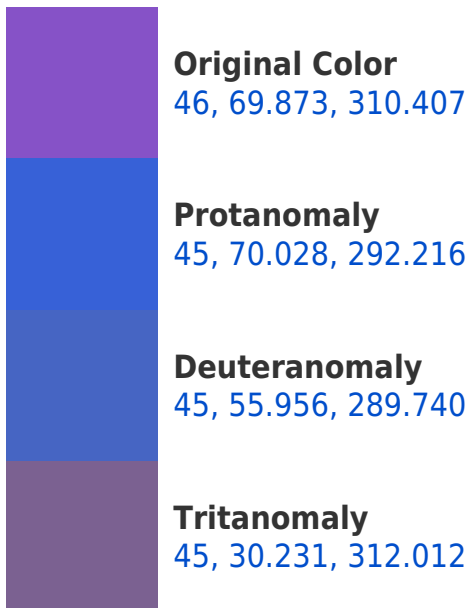
Dichromacy



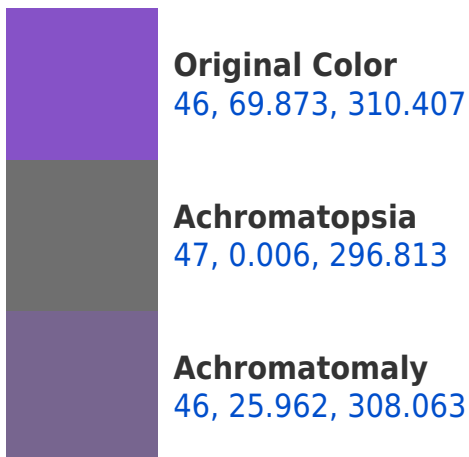


Tritanopia
46, 6.554, 333.766

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 69.873, 310.407 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(134, 82, 199)` looks like.

```
.text, #text, p{  
    color:rgb(134, 82, 199)  
}
```

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(134, 82, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 82, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 69.873, 310.407 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(134, 82, 199) }
```

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

```
.border{ border-color:rgb(134, 82, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 82, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 82, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 82, 199);  
box-shadow:4px 4px 4px 4px rgb(134, 82,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 69.873, 310.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 82, 199) }
```

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

```
.background{ background-color: rgb(134, 82,  
199) }
```

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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