

Converting Colors

CIELCh(46, 38.849, 316.105)

Have a look what the booklet for
CIELCh(46, 38.849, 316.105)
contains.

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Color

CIELCh(46, 38.976, 316.506)

Conversions

Conversions Part 1

Format	Color
Hex	865D9A
RGB	134, 93, 154
RGB Percent	53%, 36%, 60%
CMY	0.4740, 0.6348, 0.3955
CMYK	0.13, 0.40, 0.00, 0.40
HSL	280°, 25%, 48%
HSV	280°, 40%, 60%
XYZ	19.6233, 15.2687, 32.5452
YIQ	112.2130, 4.8550, 27.6630

Conversions

Conversions Part 2

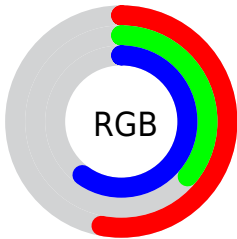
Format	Color
RYB	134, 93, 154
Decimal	8805786
CIELab	46.00, 28.28, -26.83
CIELCh	46, 38.976, 316.506
Yxy	15.2687, 0.2910, 0.2264
Android (android.graphics.Color)	4286995866 (0xFF865D9A)
YUV	112.2130, 20.6010, 19.1072
Hunter-Lab	39.0751, 21.2603, -22.0294

Details

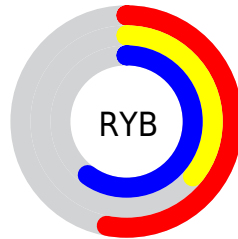
The CIELCh color `46, 38.976, 316.506` is a dark color, and the websafe version is hex `996699`. A complement of this color would be `59, 37.737, 132.975`, and the grayscale version is `47, 0.006, 296.813`.

A 20% lighter version of the original color is `66, 39.168, 316.331`, and `26, 38.933, 316.298` is the 20% darker color. If you saturate the color by 10%, you get `42, 48.766, 316.892`, and if you desaturate by 10%, it is `50, 29.005, 316.084`.

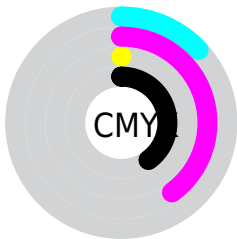
Distribution



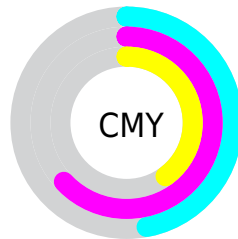
- Red (53%)
- Green (36%)
- Blue (60%)



- Red (53%)
- Yellow (36%)
- Blue (60%)



- Cyan (13%)
- Magenta (40%)
- Yellow (0%)
- Black (40%)





- Cyan (47%)
- Magenta (63%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 38.976, 316.506 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, 38.976, 316.506 by changing the saturation by 10% instead.


 46, 38.976,
316.506


 46, 38.976,
316.506


 100, 38.976,
316.506


 36, 38.976,
316.506

 66, 38.976,
316.506


 26, 38.976,
316.506

 76, 38.976,
316.506

 16, 38.976,
316.506

 86, 38.976,
316.506

 6, 38.976, 316.506

 96, 38.976,
316.506

 0, 38.976, 316.506

 46, 38.976,

 46, 38.976,

316.506

42, 48.766,
316.892

38, 58.090,
317.203

35, 66.547,
317.390

32, 73.645,
317.390

29, 78.886,
317.134

28, 82.441,
316.657

27, 82.590,
316.638

316.506

50, 29.005,
316.084

55, 19.048,
315.650

59, 9.226, 315.219

64, 0.392, 135.193

68, 9.768, 134.467

73, 18.884,
134.112

78, 27.736,
133.791

82, 36.329,
133.502

87, 44.669,

Harmonies

Complementary

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



46, 38.976, 316.506



59, 37.737, 132.975

Rectangle

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



46, 38.976, 316.506



46, 38.976, 6.506



46, 38.976, 136.506



46, 38.976, 186.506

Sweetspot

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



46, 38.975, 316.506



74, 14.414, 315.334



48, 24.633, 277.556



39, 9.649, 315.385



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



46, 38.975, 316.506



55, 57.532, 316.832



48, 37.240, 331.816



30, 5.408, 315.204



25, 77.047, 316.720



1, 5.773, 314.481

Inverse Universe

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



47, 27.671, 358.616



57, 40.952, 0.034



58, 37.189, 146.288



30, 3.767, 354.846



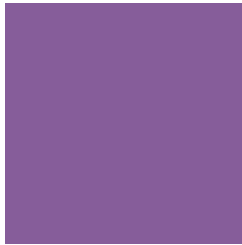
29, 55.203, 17.178



1, 3.991, 354.427

Previews

White Background



This preview shows how the CIELCh color 46, 38.976, 316.506 looks on a white background.

Color Contrast Check

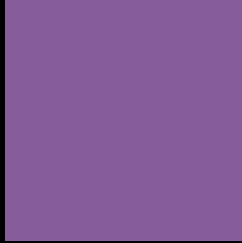
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.976, 316.506 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, 38.976, 316.506

Background



This preview shows how black text looks on a background with the CIELCh color 46, 38.976, 316.506.

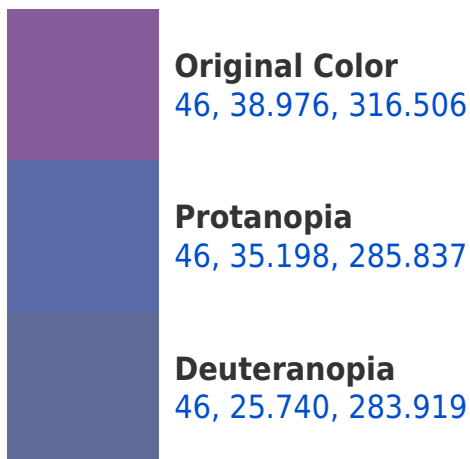


This preview shows how white text looks on a background with the CIELCh color 46, 38.976, 316.506.

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, 11.425, 356.468

Trichromacy



Original Color
46, 38.976, 316.506

Protanomaly
46, 35.753, 296.436

Deuteranomaly
46, 29.302, 298.075

Tritanomaly
46, 20.176, 329.528

Monochromacy



Original Color
46, 38.976, 316.506

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 14.381, 315.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 38.976, 316.506 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, 93, 154)` looks like.

```
.text, #text, p{  
    color:rgb(134, 93, 154)  
}
```

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, 93, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 93, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 38.976, 316.506 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, 93, 154) }
```

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

```
.border{ border-color:rgb(134, 93, 154) }
```

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

Here you see how a box with a 4 pixel rgb(134, 93, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 93, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 93, 154);  
box-shadow:4px 4px 4px 4px rgb(134, 93,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 38.976, 316.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 93, 154) }
```

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

```
.background{ background-color: rgb(134, 93,  
154) }
```

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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