

Converting Colors

CIELCh(86, 108.666, 305.648)

Have a look what the booklet for
CIELCh(86, 108.666, 305.648)
contains.

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Color

CIELCh(80, 46.024, 318.829)

Conversions

Conversions Part 1

Format	Color
Hex	ECB1FF
RGB	236, 177, 255
RGB Percent	93%, 69%, 100%
CMY	0.0733, 0.3047, 0.0000
CMYK	0.07, 0.30, 0.00, 0.00
HSL	286°, 100%, 85%
HSV	286°, 30%, 100%
XYZ	68.5700, 56.6813, 102.1903
YIQ	203.5330, 10.1260, 36.7660

Conversions

Conversions Part 2

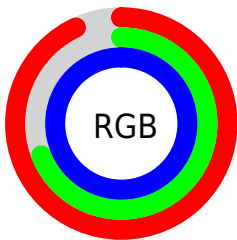
Format	Color
R _Y B	236, 177, 255
Decimal	15512063
CIE Lab	80.00, 34.64, -30.30
CIE LCh	80, 46.024, 318.829
Yxy	56.6813, 0.3015, 0.2492
Android (android.graphics.Color)	4293702143 (0xFFECB1FF)
YUV	203.5330, 25.3732, 28.4736
Hunter-Lab	75.2870, 30.8224, -27.7760

Details

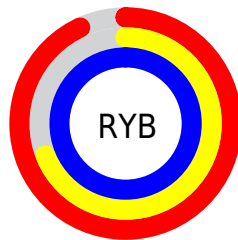
The CIELCh color `80, 46.024, 318.829` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `95, 45.087, 136.024`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `95, 13.736, 324.896`, and `60, 45.709, 318.682` is the 20% darker color. If you saturate the color by 10%, you get `74, 60.933, 319.335`, and if you desaturate by 10%, it is `86, 30.672, 318.474`.

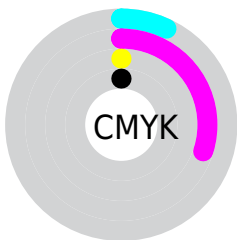
Distribution



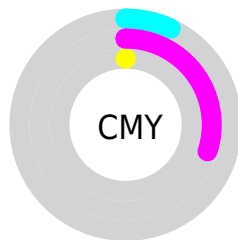
- Red (93%)
- Green (69%)
- Blue (100%)



- Red (93%)
- Yellow (69%)
- Blue (100%)



- Cyan (7%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 46.024, 318.829 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 80, 46.024, 318.829 by changing the saturation by 10% instead.


 80, 46.024,
318.829


 80, 46.024,
318.829


 100, 46.024,
318.829


 70, 46.024,
318.829

 60, 46.024,
318.829

 50, 46.024,
318.829

 40, 46.024,
318.829

 30, 46.024,
318.829

 20, 46.024,
318.829

 10, 46.024,

318.829

0, 46.024, 318.829

80, 46.024,
318.829

80, 46.024,
318.829

74, 60.933,
319.335

86, 30.672,
318.474

68, 75.442,
319.698

93, 15.561,
318.023

63, 88.865,
319.966

100, 0.708,
317.270

58, 100.510,
320.090

100, 0.012,
296.813

55, 109.630,
320.014

■ 52,115.637,
319.688

■ 50,118.605,
319.147

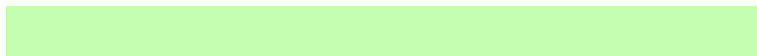
Harmonies

Complementary

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



80, 46.024, 318.829



95, 45.087, 136.024

Rectangle

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



80, 46.024, 318.829



80, 46.024, 8.829



80, 46.024, 138.829



80, 46.024, 188.829

Sweetspot

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



80, 45.881, 318.917



94, 13.352, 317.955



80, 31.449, 281.777



49, 9.291, 318.022



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 45.881, 318.917



76, 55.742, 319.194



81, 41.008, 334.438



50, 8.439, 317.978



38, 95.463, 319.288



9, 43.717, 320.280

Inverse Universe

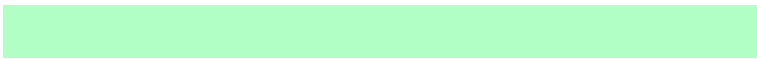
The Inverse Universe completely reimagines the original color for something new.



80, 30.921, 3.686



76, 37.928, 4.718



94, 40.718, 149.912



50, 5.514, 1.059



40, 73.037, 26.404



10, 31.751, 16.544

Previews

White Background



This preview shows how the CIELCh color 80, 46.024, 318.829 looks on a white background.

Color Contrast Check

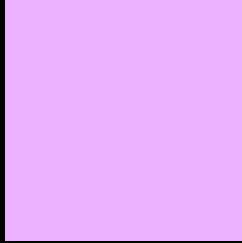
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 80, 46.024, 318.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

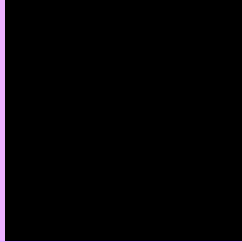
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 46.024, 318.829

Background



This preview shows how black text looks on a background with the CIELCh color 80, 46.024, 318.829.



This preview shows how white text looks on a background with the CIELCh color 80, 46.024, 318.829.

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

80, 46.024, 318.829

Protanopia

80, 31.067, 284.705

Deuteranopia

80, 30.388, 289.810



Tritanopia
80, 16.956, 354.908

Trichromacy



Original Color
80, 46.024, 318.829



Protanomaly
80, 35.012, 299.538



Deuteranomaly
80, 34.791, 302.846



Tritanomaly
80, 26.168, 332.914

Monochromacy



Original Color
80, 46.024, 318.829



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 17.364, 318.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 46.024, 318.829 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(236, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 177, 255)  
}
```

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(236, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 177, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 46.024, 318.829 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(236, 177, 255) }
```

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

```
.border{ border-color:rgb(236, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 177,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 46.024, 318.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 177, 255) }
```

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

```
.background{ background-color: rgb(236,  
177, 255) }
```

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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