

Converting Colors

CIELCh(46, 102.656, 304.765)

Have a look what the booklet for
CIELCh(46, 102.656, 304.765)
contains.

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Color

CIELCh(46, 102.963, 304.878)

Conversions

Conversions Part 1

Format	Color
Hex	6A4BFE
RGB	106, 75, 254
RGB Percent	42%, 29%, 100%
CMY	0.5840, 0.7057, 0.0037
CMYK	0.58, 0.70, 0.00, 0.00
HSL	250°, 99%, 65%
HSV	250°, 70%, 100%
XYZ	26.3728, 15.2687, 95.3793
YIQ	104.6750, -38.9830, 62.2410

Conversions

Conversions Part 2

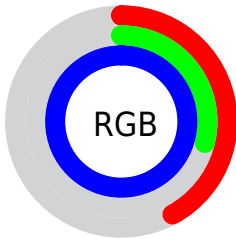
Format	Color
R _Y B	106, 75, 254
Decimal	6966270
CIE Lab	46.00, 58.88, -84.47
CIE LCh	46, 102.963, 304.878
Yxy	15.2687, 0.1925, 0.1114
Android (android.graphics.Color)	4285156350 (0xFF6A4BFE)
YUV	104.6750, 73.6172, 1.1620
Hunter-Lab	39.0751, 52.0926, -117.3695

Details

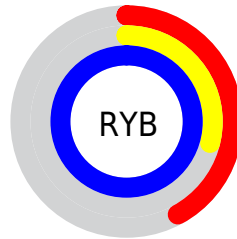
The CIELCh color **46, 102.963, 304.878** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **95, 83.857, 112.560**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 72.425, 306.715**, and **26, 102.983, 304.871** is the 20% darker color. If you saturate the color by 10%, you get **40, 116.452, 306.043**, and if you desaturate by 10%, it is **53, 87.871, 303.517**.

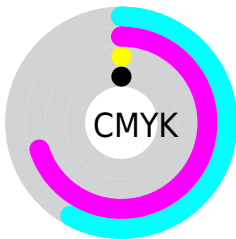
Distribution



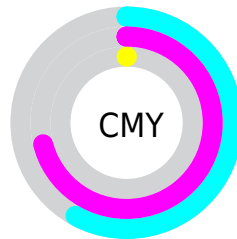
- Red (42%)
- Green (29%)
- Blue (100%)



- Red (42%)
- Yellow (29%)
- Blue (100%)



- Cyan (58%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (71%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 102.963, 304.878 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, 102.963, 304.878 by changing the saturation by 10% instead.


 46, 102.963,
304.878


 46, 102.963,
304.878


 100, 102.963,
304.878


 36, 102.963,
304.878


 66, 102.963,
304.878


 26, 102.963,
304.878


 76, 102.963,
304.878


 16, 102.963,
304.878


 86, 102.963,
304.878

 6, 102.963,
304.878

 96, 102.963,
304.878

 0, 102.963,
304.878

 46, 102.963,

 46, 102.963,

304.878

304.878

■ 40, 116.452,
306.043

■ 53, 87.871,
303.517

■ 36, 126.579,
306.761

■ 60, 72.346,
302.137

■ 33, 132.078,
306.934

■ 68, 56.997,
300.842

■ 76, 42.091,
299.676

■ 84, 27.719,
298.651

■ 91, 13.898,
297.761

■ 99, 0.608, 296.993

100, 0.462,
109.976

Harmonies

Complementary

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



46, 102.963, 304.878



95, 83.857, 112.560

Rectangle

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



46, 102.963, 304.878



46, 102.963, 354.878



46, 102.963, 124.878



46, 102.963, 174.878

Sweetspot

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



46, 102.964, 304.879



83, 28.569, 298.703



83, 39.416, 221.073



42, 19.442, 298.974



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, 102.964, 304.879



38, 121.938, 306.441



56, 100.277, 317.249



49, 7.564, 297.683



24, 106.517, 307.033



4, 44.505, 305.041

Inverse Universe

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



63, 89.863, 334.301



60, 98.447, 335.430



90, 95.043, 131.453



50, 8.033, 330.170



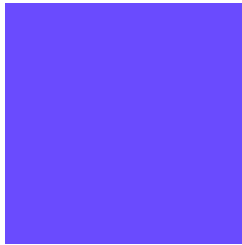
44, 81.295, 336.599



12, 38.001, 335.420

Previews

White Background



This preview shows how the CIELCh color 46, 102.963, 304.878 looks on a white background.

Color Contrast Check

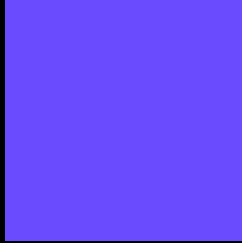
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.963, 304.878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

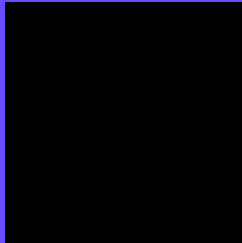
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 102.963, 304.878

Background



This preview shows how black text looks on a background with the CIELCh color 46, 102.963, 304.878.

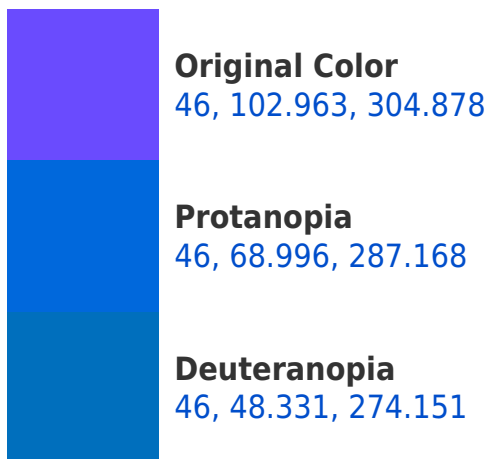


This preview shows how white text looks on a background with the CIELCh color 46, 102.963, 304.878.

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, 21.075, 212.179

Trichromacy



Original Color
46, 102.963, 304.878

Protanomaly
44, 82.201, 294.288

Deuteranomaly
44, 68.536, 290.008

Tritanomaly
44, 42.771, 284.918

Monochromacy



Original Color
46, 102.963, 304.878

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 39.275, 300.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 102.963, 304.878 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(106, 75, 254)` looks like.

```
.text, #text, p{  
    color:rgb(106, 75, 254)  
}
```

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(106, 75, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 75, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 102.963, 304.878 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(106, 75, 254) }
```

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

```
.border{ border-color:rgb(106, 75, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 75, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 75, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 75, 254);  
box-shadow:4px 4px 4px 4px rgb(106, 75,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 102.963, 304.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 75, 254) }
```

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

```
.background{ background-color: rgb(106, 75,  
254) }
```

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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