

Converting Colors

CIELCh(46, 101.904, 304.245)

Have a look what the booklet for
CIELCh(46, 101.904, 304.245)
contains.

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Color

CIELCh(46, 102.020, 304.180)

Conversions

Conversions Part 1

Format	Color
Hex	664DFE
RGB	102, 77, 254
RGB Percent	40%, 30%, 100%
CMY	0.6003, 0.6983, 0.0042
CMYK	0.60, 0.70, 0.00, 0.00
HSL	248°, 99%, 65%
HSV	248°, 70%, 100%
XYZ	25.9954, 15.2687, 95.2759
YIQ	104.6530, -41.9170, 60.3470

Conversions

Conversions Part 2

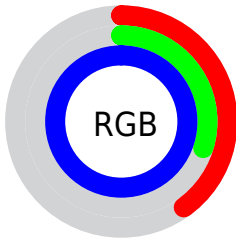
Format	Color
RYB	102, 77, 254
Decimal	6704638
CIELab	46.00, 57.31, -84.40
CIELCh	46, 102.020, 304.180
Yxy	15.2687, 0.1904, 0.1118
Android (android.graphics.Color)	4284894718 (0xFF664DFE)
YUV	104.6530, 73.6281, -2.3267
Hunter-Lab	39.0751, 50.3685, -117.2127

Details

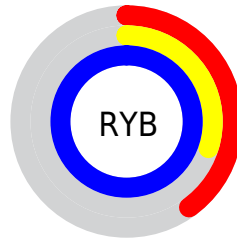
The CIELCh color **46, 102.020, 304.180** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **95, 82.812, 111.016**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 71.753, 305.837**, and **26, 102.116, 304.259** is the 20% darker color. If you saturate the color by 10%, you get **40, 115.835, 305.518**, and if you desaturate by 10%, it is **53, 86.732, 302.667**.

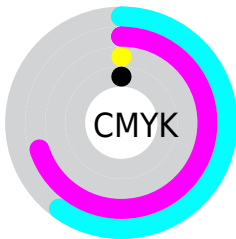
Distribution



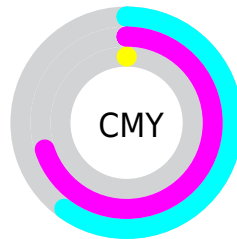
- Red (40%)
- Green (30%)
- Blue (100%)



- Red (40%)
- Yellow (30%)
- Blue (100%)



- Cyan (60%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (70%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 102.020, 304.180 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, 102.020, 304.180 by changing the saturation by 10% instead.


 46, 102.020,
304.180


 46, 102.020,
304.180


 100, 102.020,
304.180


 36, 102.020,
304.180


 66, 102.020,
304.180


 26, 102.020,
304.180


 76, 102.020,
304.180

 16, 102.020,
304.180


 86, 102.020,
304.180

 6, 102.020,
304.180

 96, 102.020,
304.180

 0, 102.020,
304.180

 46, 102.020,

 46, 102.020,

304.180

304.180

■ 40, 115.835,
305.518

■ 53, 86.732,
302.667

■ 36, 126.370,
306.415

■ 60, 71.124,
301.161

■ 33, 132.281,
306.728

■ 68, 55.767,
299.766

■ 33, 132.424,
306.737

■ 76, 40.898,
298.521

■ 84, 26.587,
297.435

■ 92, 12.838,
296.498

100, 0.374,
115.659

100, 0.536,
109.993

Harmonies

Complementary

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



46, 102.020, 304.180



95, 82.812, 111.016

Rectangle

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



46, 102.020, 304.180



46, 102.020, 354.180



46, 102.020, 124.180



46, 102.020, 174.180

Sweetspot

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



46, 102.021, 304.181



83, 28.510, 297.568



85, 39.831, 215.468



42, 19.404, 297.858



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, 102.021, 304.181



38, 121.292, 305.975



55, 99.439, 316.251



49, 7.546, 296.482



24, 106.864, 306.821



4, 44.443, 304.468

Inverse Universe

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



63, 91.180, 332.893



60, 100.325, 333.813



90, 93.315, 130.538



50, 8.217, 329.101



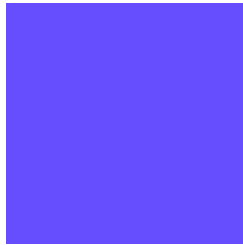
44, 83.325, 334.803



12, 38.842, 333.902

Previews

White Background



This preview shows how the CIELCh color 46, 102.020, 304.180 looks on a white background.

Color Contrast Check

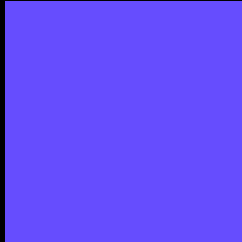
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.020, 304.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

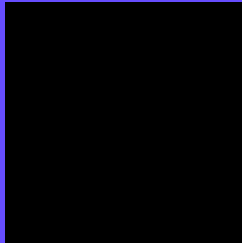
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 102.020, 304.180

Background



This preview shows how black text looks on a background with the CIELCh color 46, 102.020, 304.180.



This preview shows how white text looks on a background with the CIELCh color 46, 102.020, 304.180.

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, 102.020, 304.180

Protanopia

46, 68.996, 287.168

Deuteranopia

46, 48.331, 274.151



Tritanopia
46, 23.024, 212.285

Trichromacy



Original Color
46, 102.020, 304.180

Protanomaly
45, 81.592, 293.883

Deuteranomaly
44, 67.935, 289.462

Tritanomaly
44, 43.039, 282.253

Monochromacy



Original Color
46, 102.020, 304.180

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 38.588, 299.660

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 102.020, 304.180 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(102, 77, 254)` looks like.

```
.text, #text, p{  
    color:rgb(102, 77, 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(102, 77, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 77, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 102.020, 304.180 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(102, 77, 254) }
```

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

```
.border{ border-color:rgb(102, 77, 254) }
```

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

Here you see how a box with a 4 pixel rgb(102, 77, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 77, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 77, 254);  
box-shadow:4px 4px 4px 4px rgb(102, 77,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 102.020, 304.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 77, 254) }
```

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

```
.background{ background-color: rgb(102, 77,  
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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