

Converting Colors

CIELCh(53, 131.791, 306.432)

Have a look what the booklet for
CIELCh(53, 131.791, 306.432)
contains.

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Color

CIELCh(48, 103.200, 307.253)

Conversions

Conversions Part 1

Format	Color
Hex	7F4BFF
RGB	127, 75, 255
RGB Percent	50%, 29%, 100%
CMY	0.5021, 0.7066, 0.0000
CMYK	0.50, 0.71, 0.00, 0.00
HSL	257°, 100%, 65%
HSV	257°, 71%, 100%
XYZ	29.4483, 16.7945, 97.0706
YIQ	111.0680, -26.7880, 67.0040

Conversions

Conversions Part 2

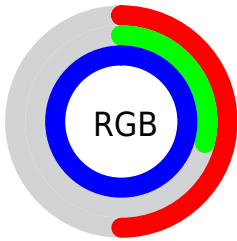
Format	Color
R _Y B	127, 75, 255
Decimal	8342527
CIE Lab	48.00, 62.47, -82.14
CIE LCh	48, 103.200, 307.253
Yxy	16.7945, 0.2055, 0.1172
Android (android.graphics.Color)	4286532607 (0xFF7F4BFF)
YUV	111.0680, 70.9585, 13.9724
Hunter-Lab	40.9810, 56.5504, -111.7517

Details

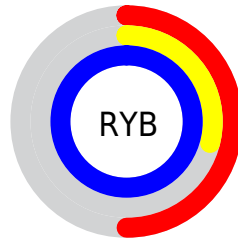
The CIELCh color **48, 103.200, 307.253** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **94, 86.112, 117.951**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 72.405, 311.021**, and **28, 102.575, 307.221** is the 20% darker color. If you saturate the color by 10%, you get **42, 115.529, 307.951**, and if you desaturate by 10%, it is **54, 88.218, 306.381**.

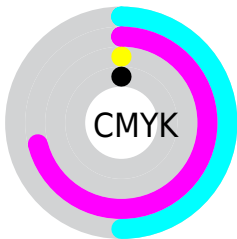
Distribution



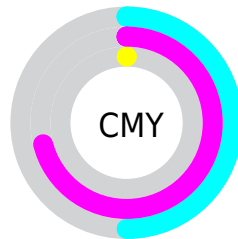
- Red (50%)
- Green (29%)
- Blue (100%)



- Red (50%)
- Yellow (29%)
- Blue (100%)



- Cyan (50%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (71%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 103.200, 307.253 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 48, 103.200, 307.253 by changing the saturation by 10% instead.


 48, 103.200,
307.253


 48, 103.200,
307.253


 100, 103.200,
307.253


 38, 103.200,
307.253


 68, 103.200,
307.253


 28, 103.200,
307.253


 78, 103.200,
307.253

 18, 103.200,
307.253


 88, 103.200,
307.253

 8, 103.200,
307.253

 98, 103.200,
307.253

 0, 103.200,
307.253

 48, 103.200,

 48, 103.200,

307.253

307.253

■ 42, 115.529,
307.951

■ 54, 88.218,
306.381

■ 38, 125.085,
308.212

■ 62, 73.028,
305.411

■ 35, 130.387,
308.022

■ 69, 57.808,
304.459

■ 77, 42.881,
303.572

■ 84, 28.392,
302.772

■ 92, 14.393,
302.062

■ 99, 0.892, 301.386

■ 100, 0.012,
296.813

Harmonies

Complementary

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



48, 103.200, 307.253



94, 86.112, 117.951

Rectangle

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



48, 103.200, 307.253



48, 103.200, 357.253



48, 103.200, 127.253



48, 103.200, 177.253

Sweetspot

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



48, 102.746, 307.276



84, 28.870, 302.797



77, 40.200, 241.245



43, 19.637, 303.010



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 102.746, 307.276



40, 120.158, 308.126



59, 100.720, 320.839



49, 7.657, 301.985



26, 104.807, 308.172



5, 44.734, 307.464

Inverse Universe

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



62, 83.656, 339.928



58, 91.020, 341.878



90, 98.637, 134.269



50, 7.395, 334.483



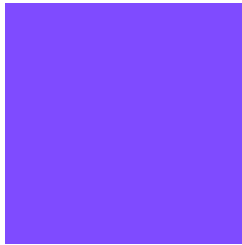
43, 74.819, 344.169



11, 35.238, 341.719

Previews

White Background



This preview shows how the CIELCh color 48, 103.200, 307.253 looks on a white background.

Color Contrast Check

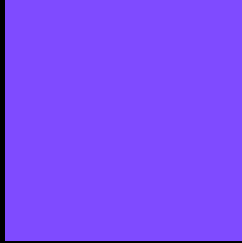
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 103.200, 307.253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

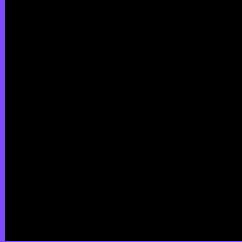
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 103.200, 307.253

Background



This preview shows how black text looks on a background with the CIELCh color 48, 103.200, 307.253.

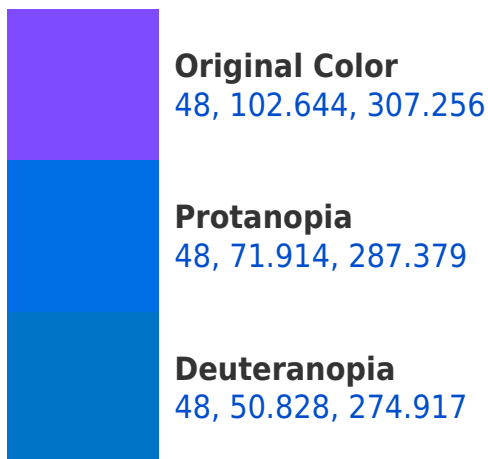


This preview shows how white text looks on a background with the CIELCh color 48, 103.200, 307.253.

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
48, 11.651, 225.705

Trichromacy



Original Color
48, 102.644, 307.256



Protanomaly
46, 83.933, 294.466



Deuteranomaly
46, 69.873, 290.468



Tritanomaly
46, 42.735, 296.100

Monochromacy



Original Color
48, 102.644, 307.256



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 39.288, 304.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 103.200, 307.253 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(127, 75, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 75, 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(127, 75, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 75, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 103.200, 307.253 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(127, 75, 255) }
```

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

```
.border{ border-color:rgb(127, 75, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 75, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 75, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 75, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 75,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 103.200, 307.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 75, 255) }
```

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

```
.background{ background-color: rgb(127, 75,  
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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