

Converting Colors

CIELCh(48, 116.837, 316.522)

Have a look what the booklet for
CIELCh(48, 116.837, 316.522)
contains.

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Color

CIELCh(48, 116.753, 316.588)

Conversions

Conversions Part 1

Format	Color
Hex	AF17FD
RGB	175, 23, 253
RGB Percent	69%, 9%, 99%
CMY	0.3141, 0.9105, 0.0082
CMYK	0.31, 0.91, 0.00, 0.01
HSL	280°, 98%, 54%
HSV	280°, 91%, 99%
XYZ	35.6760, 16.7945, 94.2142
YIQ	94.6680, 16.7620, 103.7540

Conversions

Conversions Part 2

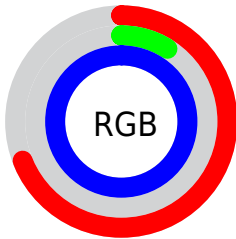
Format	Color
R_{YB}	175, 23, 253
Decimal	11474941
CIE _{Lab}	48.00, 84.81, -80.24
CIE _{LCh}	48, 116.753, 316.588
Yxy	16.7945, 0.2432, 0.1145
Android (android.graphics.Color)	4289665021 (0xFFAF17FD)
YUV	94.6680, 78.0577, 70.4512
Hunter-Lab	40.9810, 83.6763, -107.6193

Details

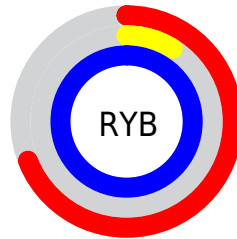
The CIELCh color **48, 116.753, 316.588** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **88, 110.416, 131.861**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 91.542, 323.758**, and **33, 100.173, 313.951** is the 20% darker color. If you saturate the color by 10%, you get **46, 120.047, 315.966**, and if you desaturate by 10%, it is **51, 110.188, 316.988**.

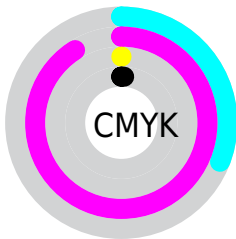
Distribution



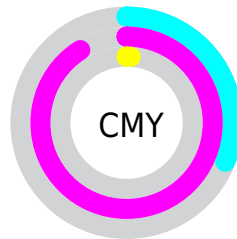
- Red (69%)
- Green (9%)
- Blue (99%)



- Red (69%)
- Yellow (9%)
- Blue (99%)



- Cyan (31%)
- Magenta (91%)
- Yellow (0%)
- Black (1%)





- Cyan (31%)
- Magenta (91%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 116.753, 316.588 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, 116.753, 316.588 by changing the saturation by 10% instead.


 48, 116.753,
316.588


 48, 116.753,
316.588


 100, 116.753,
316.588


 38, 116.753,
316.588


 68, 116.753,
316.588


 28, 116.753,
316.588


 78, 116.753,
316.588


 18, 116.753,
316.588


 88, 116.753,
316.588

 8, 116.753,
316.588

 98, 116.753,
316.588

 0, 116.753,
316.588

 48, 116.753,

 48, 116.753,

316.588

316.588

■ 46, 120.047,
315.966

■ 51, 110.188,
316.988

■ 55, 100.501,
317.081

■ 60, 88.427,
316.945

■ 66, 74.789,
316.652

■ 72, 60.281,
316.266

■ 78, 45.411,
315.833

■ 85, 30.515,
315.383

■ 92, 15.806,
314.936

Harmonies

Complementary

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



48, 116.753, 316.588



88, 110.416, 131.861

Rectangle

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



48, 116.753, 316.588



48, 116.753, 6.588



48, 116.753, 136.588



48, 116.753, 186.588

Sweetspot

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



48, 116.752, 316.588



82, 39.735, 315.655



48, 87.171, 293.079



41, 26.837, 315.808



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, 116.752, 316.588



46, 120.802, 315.962



59, 101.096, 334.727



49, 8.225, 314.871



34, 97.186, 316.138



8, 44.355, 317.393

Inverse Universe

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



54, 82.890, 13.803



54, 86.684, 18.738



87, 110.763, 138.504



50, 5.782, 354.162



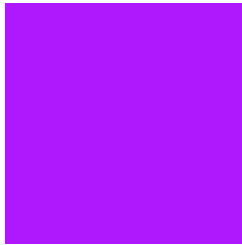
40, 69.505, 17.663



10, 31.333, 9.867

Previews

White Background



This preview shows how the CIE LCh color 48, 116.753, 316.588 looks on a white background.

Color Contrast Check

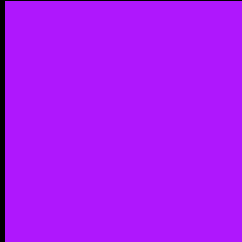
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116.753, 316.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

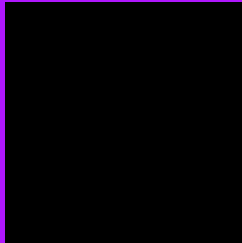
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 116.753, 316.588

Background



This preview shows how black text looks on a background with the CIELCh color 48, 116.753, 316.588.



This preview shows how white text looks on a background with the CIELCh color 48, 116.753, 316.588.

316.588.

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

48, 116.753, 316.588

Protanopia

48, 72.386, 287.380

Deuteranopia

48, 51.836, 275.449



Tritanopia
48, 21.698, 9.999

Trichromacy



Original Color
48, 116.753, 316.588



Protanomaly
43, 95.389, 300.210



Deuteranomaly
42, 82.102, 297.982



Tritanomaly
45, 58.309, 326.533

Monochromacy



Original Color
48, 116.753, 316.588



Achromatopsia
40, 0.006, 296.813



Achromatomaly
39, 52.879, 316.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 116.753, 316.588 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(175, 23, 253)` looks like.

```
.text, #text, p{  
  color:rgb(175, 23, 253)  
}
```

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(175, 23, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 23, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 116.753, 316.588 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(175, 23, 253) }
```

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

```
.border{ border-color:rgb(175, 23, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 23, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 23, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 23, 253); box-shadow:4px 4px 4px 4px rgb(175, 23, 253) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 116.753, 316.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 23, 253) }
```

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

```
.background{ background-color: rgb(175, 23,  
253) }
```

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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