

Converting Colors

CIELCh(48, 100.827, 312.529)

Have a look what the booklet for
CIELCh(48, 100.827, 312.529)
contains.

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Color

CIELCh(48, 100.599, 312.527)

Conversions

Conversions Part 1

Format	Color
Hex	9940F2
RGB	153, 64, 242
RGB Percent	60%, 25%, 95%
CMY	0.4008, 0.7498, 0.0518
CMYK	0.37, 0.74, 0.00, 0.05
HSL	270°, 87%, 60%
HSV	270°, 74%, 95%
XYZ	30.9155, 16.7945, 85.4542
YIQ	110.9030, -4.0940, 74.2260

Conversions

Conversions Part 2

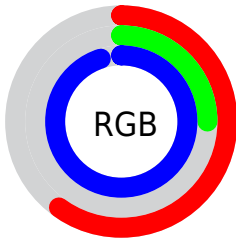
Format	Color
R _Y B	153, 64, 242
Decimal	10043634
CIE Lab	48.00, 68.00, -74.14
CIE LCh	48, 100.599, 312.527
Yxy	16.7945, 0.2322, 0.1261
Android (android.graphics.Color)	4288233714 (0xFF9940F2)
YUV	110.9030, 64.6308, 36.9191
Hunter-Lab	40.9810, 62.9409, -94.9455

Details

The CIELCh color **48, 100.599, 312.527** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **87, 89.907, 126.340**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 78.280, 317.584**, and **29, 97.995, 311.958** is the 20% darker color. If you saturate the color by 10%, you get **44, 110.567, 312.527**, and if you desaturate by 10%, it is **53, 88.361, 312.252**.

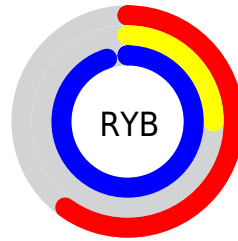
Distribution



Red (60%)

Green (25%)

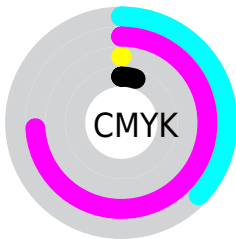
Blue (95%)



Red (60%)

Yellow (25%)

Blue (95%)

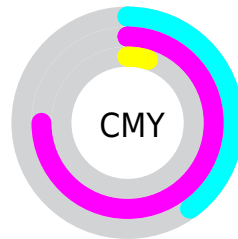


Cyan (37%)

Magenta (74%)

Yellow (0%)

Black (5%)



Cyan (40%)


Magenta (75%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 100.599, 312.527 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, 100.599, 312.527 by changing the saturation by 10% instead.


 48, 100.599,
312.527


 48, 100.599,
312.527


 100, 100.599,
312.527


 38, 100.599,
312.527


 68, 100.599,
312.527


 28, 100.599,
312.527


 78, 100.599,
312.527

 18, 100.599,
312.527

 88, 100.599,
312.527

 8, 100.599,
312.527

 98, 100.599,
312.527

 0, 100.599,
312.527

 48, 100.599,

 48, 100.599,

312.527

44, 110.567,
312.527

40, 117.321,
312.135

39, 120.078,
311.706

312.527

53, 88.361,
312.252

59, 74.802,
311.810

66, 60.637,
311.287

72, 46.333,
310.738

79, 32.167,
310.198

86, 18.295,
309.687

93, 4.792, 309.198

99, 6.987, 125.826

100, 6.684,
109.666

Harmonies

Complementary

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



48, 100.599, 312.527



87, 89.907, 126.340

Rectangle

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



48, 100.599, 312.527



48, 100.599, 2.527



48, 100.599, 132.527



48, 100.599, 182.527

Sweetspot

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



48, 100.599, 312.527



84, 31.225, 310.116



63, 50.891, 271.332



43, 21.055, 310.260



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, 100.599, 312.527



44, 118.833, 312.400



60, 99.724, 327.332



46, 7.538, 309.484



29, 97.494, 311.902



5, 39.632, 312.066

Inverse Universe

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



57, 73.486, 353.708



56, 82.916, 358.109



84, 101.656, 137.461



47, 6.066, 344.402



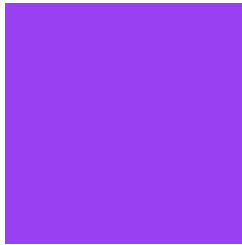
39, 66.219, 1.977



8, 29.444, 355.561

Previews

White Background



This preview shows how the CIELCh color 48, 100.599, 312.527 looks on a white background.

Color Contrast Check

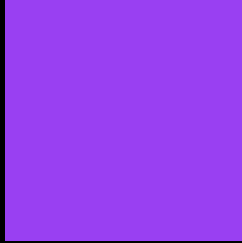
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.599, 312.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

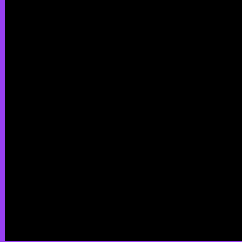
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 100.599, 312.527

Background



This preview shows how black text looks on a background with the CIELCh color 48, 100.599, 312.527.



This preview shows how white text looks on a background with the CIELCh color 48, 100.599, 312.527.

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, 100.599, 312.527

Protanopia

48, 71.844, 287.188

Deuteranopia

48, 51.325, 275.060



Tritanopia
48, 9.409, 346.323

Trichromacy



Original Color
48, 100.599, 312.527



Protanomaly
45, 84.124, 295.881



Deuteranomaly
45, 69.933, 292.111



Tritanomaly
46, 44.042, 315.282

Monochromacy



Original Color
48, 100.599, 312.527



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 40.263, 310.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 100.599, 312.527 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(153, 64, 242)` looks like.

```
.text, #text, p{  
    color:rgb(153, 64, 242)  
}
```

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(153, 64, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 64, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 100.599, 312.527 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(153, 64, 242) }
```

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

```
.border{ border-color:rgb(153, 64, 242) }
```

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

Here you see how a box with a 4 pixel rgb(153, 64, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 64, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 64, 242);  
box-shadow:4px 4px 4px 4px rgb(153, 64,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 100.599, 312.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 64, 242) }
```

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

```
.background{ background-color: rgb(153, 64,  
242) }
```

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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