

Converting Colors

CIELCh(48, 91.654, 305.704)

Have a look what the booklet for
CIELCh(48, 91.654, 305.704)
contains.

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Color

CIELCh(48, 91.876, 305.798)

Conversions

Conversions Part 1

Format	Color
Hex	7A53F2
RGB	122, 83, 242
RGB Percent	48%, 33%, 95%
CMY	0.5206, 0.6738, 0.0501
CMYK	0.50, 0.66, 0.00, 0.05
HSL	255°, 86%, 64%
HSV	255°, 66%, 95%
XYZ	27.2271, 16.7945, 85.9859
YIQ	112.7870, -27.7950, 57.7170

Conversions

Conversions Part 2

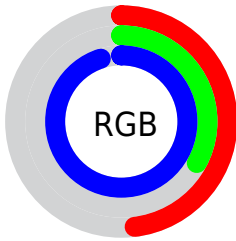
Format	Color
R _Y B	122, 83, 242
Decimal	8016882
CIE Lab	48.00, 53.74, -74.52
CIE LCh	48, 91.876, 305.798
Yxy	16.7945, 0.2094, 0.1292
Android (android.graphics.Color)	4286206962 (0xFF7A53F2)
YUV	112.7870, 63.7020, 8.0798
Hunter-Lab	40.9810, 46.8757, -95.7148

Details

The CIELCh color **48, 91.876, 305.798** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **90, 77.435, 116.045**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 67.883, 308.140**, and **28, 92.026, 305.841** is the 20% darker color. If you saturate the color by 10%, you get **42, 105.425, 306.777**, and if you desaturate by 10%, it is **55, 77.327, 304.699**.

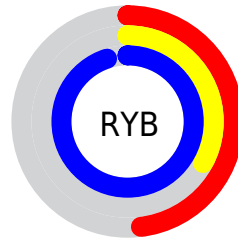
Distribution



Red (48%)

Green (33%)

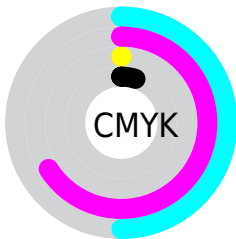
Blue (95%)



Red (48%)

Yellow (33%)

Blue (95%)

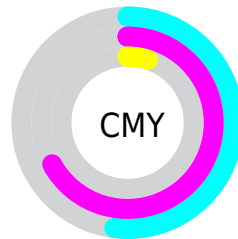


Cyan (50%)

Magenta (66%)

Yellow (0%)

Black (5%)



Cyan (52%)


Magenta (67%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 91.876, 305.798 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, 91.876, 305.798 by changing the saturation by 10% instead.

 48, 91.876,
305.798


 48, 91.876,
305.798


 100, 91.876,
305.798


 38, 91.876,
305.798

 68, 91.876,
305.798


 28, 91.876,
305.798

 78, 91.876,
305.798

 18, 91.876,
305.798


 88, 91.876,
305.798

 8, 91.876, 305.798

 98, 91.876,
305.798

 0, 91.876, 305.798

 48, 91.876,

 48, 91.876,

305.798

42, 105.425,
306.777

37, 116.660,
307.445

34, 124.037,
307.596

33, 126.221,
307.557

305.798

55, 77.327,
304.699

62, 62.585,
303.601

69, 48.069,
302.572

77, 33.966,
301.642

84, 20.344,
300.819

91, 7.219, 300.097

99, 5.424, 119.485

100, 6.467,
109.682

Harmonies

Complementary

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



48, 91.876, 305.798



90, 77.435, 116.045

Rectangle

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



48, 91.876, 305.798



48, 91.876, 355.798



48, 91.876, 125.798



48, 91.876, 175.798

Sweetspot

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



48, 91.876, 305.799



85, 27.320, 301.168



77, 36.271, 231.226



43, 18.737, 301.402



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, 91.876, 305.799



42, 114.132, 307.062



57, 91.251, 319.241



46, 7.239, 300.362



24, 102.342, 307.692



3, 38.561, 304.523

Inverse Universe

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



61, 78.747, 337.164



60, 91.227, 338.563



86, 88.181, 133.310



47, 7.253, 332.759



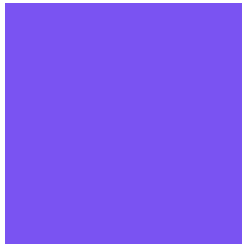
41, 74.821, 341.052



9, 33.473, 338.854

Previews

White Background



This preview shows how the CIELCh color 48, 91.876, 305.798 looks on a white background.

Color Contrast Check

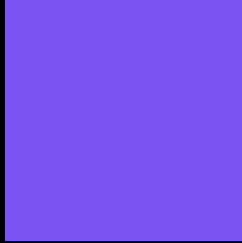
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 91.876, 305.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

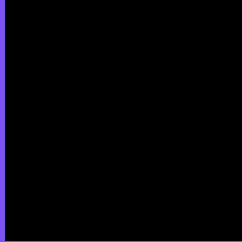
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 91.876, 305.798

Background



This preview shows how black text looks on a background with the CIELCh color 48, 91.876, 305.798.



This preview shows how white text looks on a background with the CIELCh color 48, 91.876, 305.798.

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, 91.876, 305.798

Protanopia
48, 71.844, 287.188

Deuteranopia
48, 51.340, 275.312



Tritanopia
48, 11.872, 228.429

Trichromacy



Original Color
48, 91.876, 305.798

Protanomaly
47, 79.890, 293.013

Deuteranomaly
46, 65.816, 288.432

Tritanomaly
47, 38.497, 293.323

Monochromacy



Original Color
48, 91.876, 305.798

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 34.845, 302.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 91.876, 305.798 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(122, 83, 242)` looks like.

```
.text, #text, p{  
    color:rgb(122, 83, 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(122, 83, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 83, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 91.876, 305.798 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(122, 83, 242) }
```

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

```
.border{ border-color:rgb(122, 83, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 83, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 83, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 83, 242);  
box-shadow:4px 4px 4px 4px rgb(122, 83,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 91.876, 305.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 83, 242) }
```

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

```
.background{ background-color: rgb(122, 83,  
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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