

Converting Colors

CIELCh(48, 98.180, 315.233)

Have a look what the booklet for
CIELCh(48, 98.180, 315.233)
contains.

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Color

CIELCh(48, 98.148, 315.231)

Conversions

Conversions Part 1

Format	Color
Hex	A33BE9
RGB	163, 59, 233
RGB Percent	64%, 23%, 91%
CMY	0.3608, 0.7687, 0.0863
CMYK	0.30, 0.75, 0.00, 0.09
HSL	276°, 80%, 57%
HSV	276°, 75%, 91%
XYZ	31.3713, 16.7945, 78.6708
YIQ	109.9320, 6.1300, 76.1620

Conversions

Conversions Part 2

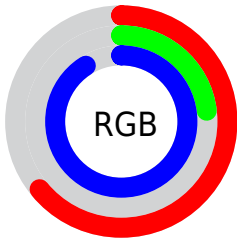
Format	Color
R _Y B	163, 59, 233
Decimal	10697705
CIE _{Lab}	48.00, 69.68, -69.12
CIE _{LCh}	48, 98.148, 315.231
Y _{xy}	16.7945, 0.2473, 0.1324
Android (android.graphics.Color)	4288887785 (0xFFA33BE9)
YUV	109.9320, 60.6725, 46.5406
Hunter-Lab	40.9810, 64.9263, -85.1316

Details

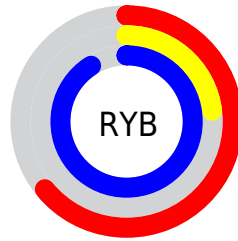
The CIELCh color **48, 98.148, 315.231** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **84, 90.769, 129.498**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 81.116, 320.142**, and **30, 92.639, 314.200** is the 20% darker color. If you saturate the color by 10%, you get **44, 106.793, 315.076**, and if you desaturate by 10%, it is **53, 87.096, 315.116**.

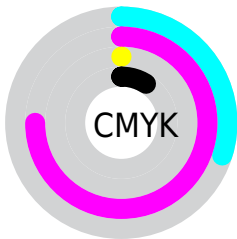
Distribution



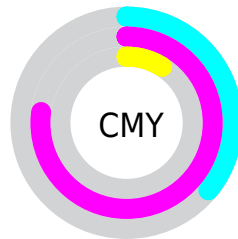
- Red (64%)
- Green (23%)
- Blue (91%)



- Red (64%)
- Yellow (23%)
- Blue (91%)



- Cyan (30%)
- Magenta (75%)
- Yellow (0%)
- Black (9%)





- Cyan (36%)
- Magenta (77%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 98.148, 315.231 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, 98.148, 315.231 by changing the saturation by 10% instead.


 48, 98.148,
315.231


 48, 98.148,
315.231


 100, 98.148,
315.231


 38, 98.148,
315.231

 68, 98.148,
315.231


 28, 98.148,
315.231

 78, 98.148,
315.231

 18, 98.148,
315.231

 88, 98.148,
315.231

 8, 98.148, 315.231

 98, 98.148,
315.231

 0, 98.148, 315.231

 48, 98.148,

 48, 98.148,

315.231

■ 44, 106.793,
315.076

■ 41, 112.339,
314.564

■ 40, 114.282,
314.184

315.231

■ 53, 87.096,
315.116

■ 58, 74.471,
314.819

■ 64, 60.979,
314.416

■ 70, 47.130,
313.961

■ 76, 33.258,
313.491

■ 83, 19.564,
313.028

■ 89, 6.164, 312.574

■ 96, 6.884, 132.222

■ 99, 11.511,
123.126

Harmonies

Complementary

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



48, 98.148, 315.231



84, 90.769, 129.498

Rectangle

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



48, 98.148, 315.231



48, 98.148, 5.231



48, 98.148, 135.231



48, 98.148, 185.231

Sweetspot

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



48, 98.147, 315.231



85, 31.812, 313.370



55, 59.024, 281.640



43, 21.435, 313.498



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, 98.147, 315.231



47, 118.195, 314.829



58, 92.320, 330.856



46, 7.565, 312.792



31, 94.485, 314.362



5, 38.140, 314.912

Inverse Universe

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



54, 69.974, 1.443



55, 82.418, 7.566



82, 95.705, 139.320



46, 5.599, 350.084



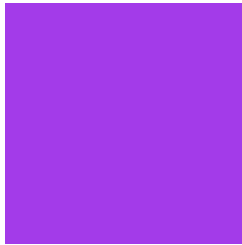
38, 65.544, 11.363



7, 27.968, 2.695

Previews

White Background



This preview shows how the CIELCh color 48, 98.148, 315.231 looks on a white background.

Color Contrast Check

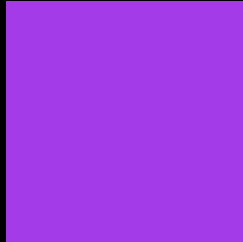
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.148, 315.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

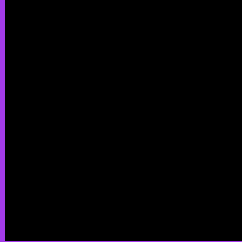
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 98.148, 315.231

Background



This preview shows how black text looks on a background with the CIELCh color 48, 98.148, 315.231.

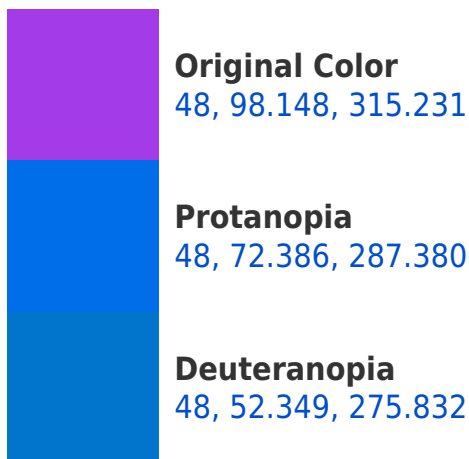


This preview shows how white text looks on a background with the CIELCh color 48, 98.148, 315.231.

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, 16.468, 7.220

Trichromacy



Original Color
48, 98.148, 315.231



Protanomaly
45, 83.700, 296.392



Deuteranomaly
44, 70.035, 292.887



Tritanomaly
47, 44.782, 324.467

Monochromacy



Original Color
48, 98.148, 315.231



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 40.369, 314.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 98.148, 315.231 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(163, 59, 233)` looks like.

```
.text, #text, p{  
    color:rgb(163, 59, 233)  
}
```

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(163, 59, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 59, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 98.148, 315.231 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(163, 59, 233) }
```

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

```
.border{ border-color:rgb(163, 59, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 59, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 59, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 59, 233);  
box-shadow:4px 4px 4px 4px rgb(163, 59,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 98.148, 315.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 59, 233) }
```

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

```
.background{ background-color: rgb(163, 59,  
233) }
```

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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