

Converting Colors

CIELCh(48, 92.586, 313.448)

Have a look what the booklet for
CIELCh(48, 92.586, 313.448)
contains.

CIELCh(48, 92.936, 313.481)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 92.936, 313.481)

Conversions

Conversions Part 1

Format	Color
Hex	9B44E6
RGB	155, 68, 230
RGB Percent	61%, 27%, 90%
CMY	0.3925, 0.7336, 0.0983
CMYK	0.33, 0.70, 0.00, 0.10
HSL	272°, 76%, 58%
HSV	272°, 70%, 90%
XYZ	29.8364, 16.7945, 76.4741
YIQ	112.4810, -0.1500, 68.8260

Conversions

Conversions Part 2

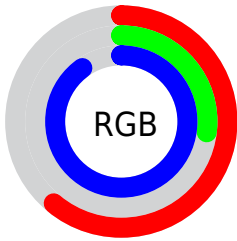
Format	Color
R _Y B	155, 68, 230
Decimal	10175718
CIE Lab	48.00, 63.95, -67.43
CIE LCh	48, 92.936, 313.481
Yxy	16.7945, 0.2424, 0.1364
Android (android.graphics.Color)	4288365798 (0xFF9B44E6)
YUV	112.4810, 57.9369, 37.2892
Hunter-Lab	40.9810, 58.2409, -81.9535

Details

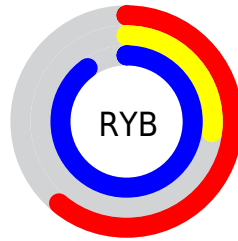
The CIELCh color **48, 92.936, 313.481** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **83, 84.505, 127.566**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 76.631, 317.562**, and **28, 92.041, 313.420** is the 20% darker color. If you saturate the color by 10%, you get **44, 103.068, 313.526**, and if you desaturate by 10%, it is **53, 80.887, 313.201**.

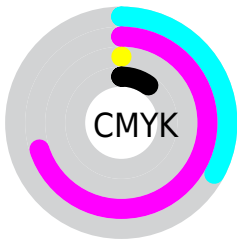
Distribution



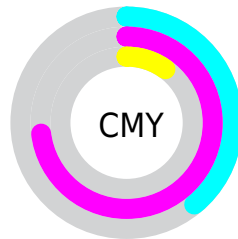
- Red (61%)
- Green (27%)
- Blue (90%)



- Red (61%)
- Yellow (27%)
- Blue (90%)



- Cyan (33%)
- Magenta (70%)
- Yellow (0%)
- Black (10%)





- Cyan (39%)
- Magenta (73%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 92.936, 313.481 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, 92.936, 313.481 by changing the saturation by 10% instead.


 48, 92.936,
313.481


 48, 92.936,
313.481


 100, 92.936,
313.481


 38, 92.936,
313.481

 68, 92.936,
313.481


 28, 92.936,
313.481

 78, 92.936,
313.481

 18, 92.936,
313.481

 88, 92.936,
313.481

 8, 92.936, 313.481

 98, 92.936,
313.481

 0, 92.936, 313.481

 48, 92.936,

 48, 92.936,

313.481

313.481

■ 44, 103.068,
313.526

■ 53, 80.887,
313.201

■ 40, 110.398,
313.229

■ 59, 67.744,
312.781

■ 38, 114.632,
312.614

■ 65, 54.114,
312.291

■ 71, 40.393,
311.780

■ 78, 26.822,
311.277

■ 84, 13.532,
310.798

■ 91, 0.592, 310.127

■ 98, 11.968,
129.986

■ 99, 12.804,
116.144

Harmonies

Complementary

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



48, 92.936, 313.481



83, 84.505, 127.566

Rectangle

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



48, 92.936, 313.481



48, 92.936, 3.481



48, 92.936, 133.481



48, 92.936, 183.481

Sweetspot

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



48, 92.935, 313.481



85, 29.970, 311.310



59, 50.762, 275.358



43, 20.353, 311.448



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, 92.935, 313.481



46, 115.877, 313.426



58, 91.314, 328.889



45, 7.329, 310.751



29, 94.699, 312.801



4, 35.852, 312.354

Inverse Universe

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



55, 67.742, 355.568



57, 81.256, 0.157



81, 93.475, 138.724



45, 5.712, 346.468



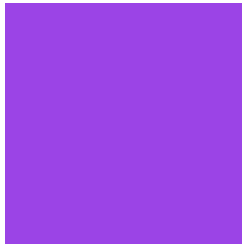
38, 64.614, 5.424



7, 27.287, 357.760

Previews

White Background



This preview shows how the CIELCh color 48, 92.936, 313.481 looks on a white background.

Color Contrast Check

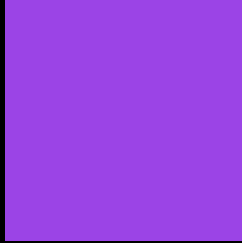
Large Text (above 18pt) WCAG AA ✓ Pass

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, 92.936, 313.481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

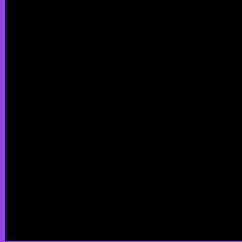
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 92.936, 313.481

Background



This preview shows how black text looks on a background with the CIELCh color 48, 92.936, 313.481.

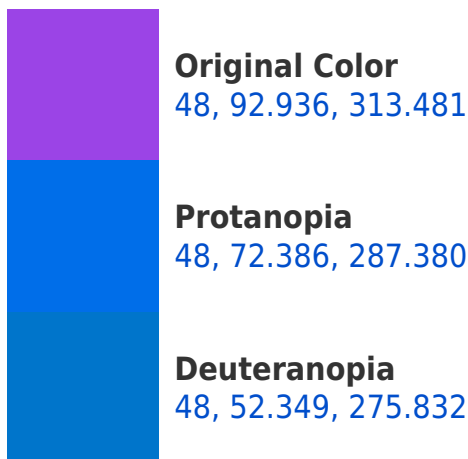


This preview shows how white text looks on a background with the CIELCh color 48, 92.936, 313.481.

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, 11.716, 357.311

Trichromacy



Original Color
48, 92.936, 313.481



Protanomaly
45, 80.678, 294.952



Deuteranomaly
45, 67.627, 291.318



Tritanomaly
47, 41.308, 319.002

Monochromacy



Original Color
48, 92.936, 313.481



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 36.873, 312.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 92.936, 313.481 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(155, 68, 230)` looks like.

```
.text, #text, p{  
    color:rgb(155, 68, 230)  
}
```

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(155, 68, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 68, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 92.936, 313.481 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(155, 68, 230) }
```

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

```
.border{ border-color:rgb(155, 68, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 68, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 68, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 68, 230);  
box-shadow:4px 4px 4px 4px rgb(155, 68,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 92.936, 313.481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 68, 230) }
```

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

```
.background{ background-color: rgb(155, 68,  
230) }
```

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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