

Converting Colors

CIELCh(49, 54.512, 302.321)

Have a look what the booklet for
CIELCh(49, 54.512, 302.321)
contains.

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Color

CIELCh(49, 54.228, 302.245)

Conversions

Conversions Part 1

Format	Color
Hex	7967C3
RGB	121, 103, 195
RGB Percent	47%, 40%, 76%
CMY	0.5269, 0.5974, 0.2368
CMYK	0.38, 0.47, 0.00, 0.24
HSL	252°, 43%, 58%
HSV	252°, 47%, 76%
XYZ	22.4568, 17.5941, 53.6159
YIQ	118.8700, -18.8040, 32.4280

Conversions

Conversions Part 2

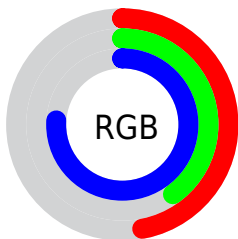
Format	Color
RYB	121, 103, 195
Decimal	7956419
CIELab	49.00, 28.93, -45.86
CIELCh	49, 54.228, 302.245
Yxy	17.5941, 0.2398, 0.1878
Android (android.graphics.Color)	4286146499 (0xFF7967C3)
YUV	118.8700, 37.5321, 1.8680
Hunter-Lab	41.9453, 22.1616, -46.4249

Details

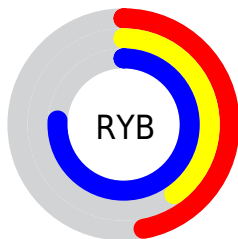
The CIELCh color `49, 54.228, 302.245` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `76, 48.295, 114.639`, and the grayscale version is `50, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 54.389, 302.242`, and `29, 54.140, 302.108` is the 20% darker color. If you saturate the color by 10%, you get `43, 66.672, 303.499`, and if you desaturate by 10%, it is `55, 42.005, 301.082`.

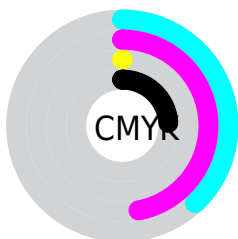
Distribution



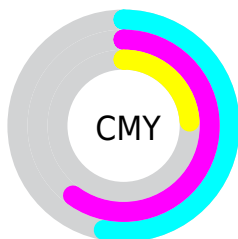
- Red (47%)
- Green (40%)
- Blue (76%)



- Red (47%)
- Yellow (40%)
- Blue (76%)



- Cyan (38%)
- Magenta (47%)
- Yellow (0%)
- Black (24%)



- Cyan (53%)
- Magenta (60%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 54.228, 302.245 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 49, 54.228, 302.245 by changing the saturation by 10% instead.


 49, 54.228,
302.245


 49, 54.228,
302.245


 100, 54.228,
302.245

 39, 54.228,
302.245

 69, 54.228,
302.245

 29, 54.228,
302.245

 79, 54.228,
302.245

 19, 54.228,
302.245

 89, 54.228,
302.245

 9, 54.228, 302.245

 99, 54.228,
302.245

 0, 54.228, 302.245

 49, 54.228,

 49, 54.228,

302.245

■ 43, 66.672,
303.499

■ 37, 78.988,
304.773

■ 32, 90.473,
305.933

■ 28, 99.960,
306.775

■ 25, 106.208,
307.110

■ 25, 107.650,
307.196

302.245

■ 55, 42.005,
301.082

■ 61, 30.155,
300.040

■ 68, 18.728,
299.123


■ 74, 7.727, 298.325

■ 80, 2.864, 117.640

■ 87, 13.065,
117.044

■ 93, 22.902,
116.534

■ 98, 30.640,
114.299

 99, 30.416,
107.865

Harmonies

Complementary

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



49, 54.228, 302.245



76, 48.295, 114.639

Rectangle

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



49, 54.228, 302.245



49, 54.228, 352.245



49, 54.228, 122.245



49, 54.228, 172.245

Sweetspot

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



49, 54.227, 302.245



88, 18.668, 298.869



68, 24.581, 220.111



46, 13.047, 299.052



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 54.227, 302.245



55, 82.059, 303.582



54, 56.318, 317.187



38, 6.044, 298.484



19, 93.254, 307.291



1, 19.604, 296.402

Inverse Universe

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



56, 52.090, 333.464



67, 75.563, 334.232



73, 54.274, 132.865



38, 6.309, 330.915



36, 70.399, 337.754



4, 20.120, 334.313

Previews

White Background



This preview shows how the CIE LCh color 49, 54.228, 302.245 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 49, 54.228, 302.245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

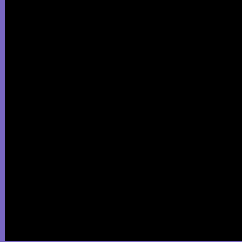
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 54.228, 302.245

Background



This preview shows how black text looks on a background with the CIELCh color 49, 54.228, 302.245.



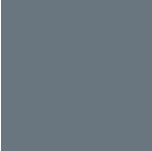
This preview shows how white text looks on a background with the CIELCh color 49, 54.228, 302.245.

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
49, 7.558, 250.310

Trichromacy



Original Color
49, 54.228, 302.245

Protanomaly
49, 53.925, 291.744

Deuteranomaly
49, 47.055, 288.007

Tritanomaly
49, 23.560, 292.381

Monochromacy



Original Color
49, 54.228, 302.245

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 19.619, 300.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 54.228, 302.245 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(121, 103, 195)` looks like.

```
.text, #text, p{  
    color:rgb(121, 103, 195)  
}
```

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(121, 103, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 103, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 54.228, 302.245 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(121, 103, 195) }
```

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

```
.border{ border-color:rgb(121, 103, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 103, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 103, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 103, 195); box-shadow:4px 4px 4px 4px rgb(121, 103, 195) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 54.228, 302.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 103, 195) }
```

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

```
.background{ background-color: rgb(121,  
103, 195) }
```

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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