

Converting Colors

CIELCh(54, 52.873, 309.992)

Have a look what the booklet for
CIELCh(54, 52.873, 309.992)
contains.

CIELCh(54, 52.900, 310.083)	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(54, 52.900, 310.083)

Conversions

Conversions Part 1

Format	Color
Hex	976EC7
RGB	151, 110, 199
RGB Percent	59%, 43%, 78%
CMY	0.4065, 0.5673, 0.2182
CMYK	0.24, 0.45, 0.00, 0.22
HSL	268°, 44%, 61%
HSV	268°, 45%, 78%
XYZ	28.7884, 21.9746, 56.9738
YIQ	132.4050, -4.1330, 36.3710

Conversions

Conversions Part 2

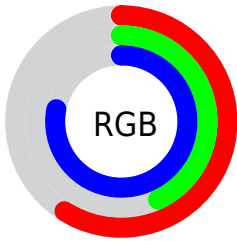
Format	Color
RYB	151, 110, 199
Decimal	9924295
CIELab	54.00, 34.06, -40.47
CIELCh	54, 52.900, 310.083
Yxy	21.9746, 0.2672, 0.2040
Android (android.graphics.Color)	4288114375 (0xFF976EC7)
YUV	132.4050, 32.8313, 16.3078
Hunter-Lab	46.8770, 27.5866, -39.2464

Details

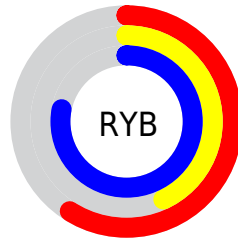
The CIELCh color $54, 52.900, 310.083$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $76, 49.253, 125.568$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 52.529, 310.378$, and $34, 53.175, 310.166$ is the 20% darker color. If you saturate the color by 10%, you get $48, 65.071, 310.659$, and if you desaturate by 10%, it is $60, 40.654, 309.492$.

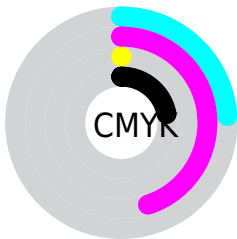
Distribution



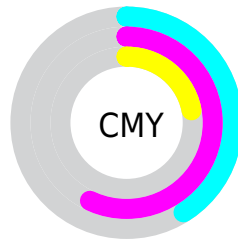
- Red (59%)
- Green (43%)
- Blue (78%)



- Red (59%)
- Yellow (43%)
- Blue (78%)



- Cyan (24%)
- Magenta (45%)
- Yellow (0%)
- Black (22%)





- Cyan (41%)
- Magenta (57%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 52.900, 310.083 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 54, 52.900, 310.083 by changing the saturation by 10% instead.


 54, 52.900,
310.083


 54, 52.900,
310.083


 100, 52.900,
310.083

 44, 52.900,
310.083


 74, 52.900,
310.083

 34, 52.900,
310.083

 84, 52.900,
310.083

 24, 52.900,
310.083

 94, 52.900,
310.083

 14, 52.900,
310.083

 4, 52.900, 310.083

 0, 52.900, 310.083

■ 54, 52.900,
310.083

■ 54, 52.900,
310.083

■ 48, 65.071,
310.659

■ 60, 40.654,
309.492

■ 43, 76.786,
311.162

■ 66, 28.561,
308.918

■ 39, 87.440,
311.507

■ 72, 16.739,
308.381

■ 35, 96.204,
311.579

■ 78, 5.245, 307.878

■ 84, 5.898, 127.477

■ 32, 102.221,
311.253

■ 90, 16.688,
127.077

■ 30, 104.605,
310.985

■ 95, 27.132,
126.731

■ 98, 28.901,
121.209

■ 98, 28.198,
113.327

Harmonies

Complementary

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



54, 52.900, 310.083



76, 49.253, 125.568

Rectangle

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



54, 52.900, 310.083



54, 52.900, 0.083



54, 52.900, 130.083



54, 52.900, 180.083

Sweetspot

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



54, 52.899, 310.083



91, 18.089, 308.305



64, 26.303, 257.548



47, 12.699, 308.420



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



54, 52.899, 310.083



61, 78.508, 310.666



59, 56.916, 325.301



39, 6.413, 308.113



24, 90.018, 311.147



2, 22.220, 304.534

Inverse Universe

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



58, 42.531, 345.928



68, 61.757, 347.321



73, 56.856, 139.883



39, 5.342, 342.305



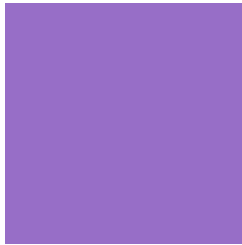
35, 61.289, 357.935



4, 18.268, 350.574

Previews

White Background



This preview shows how the CIELCh color 54, 52.900, 310.083 looks on a white background.

Color Contrast Check

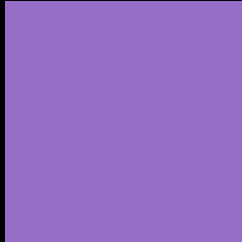
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 54, 52.900, 310.083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

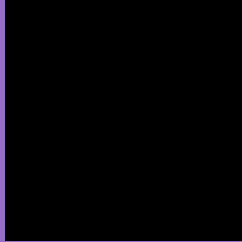
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 52.900, 310.083

Background



This preview shows how black text looks on a background with the CIELCh color 54, 52.900, 310.083.

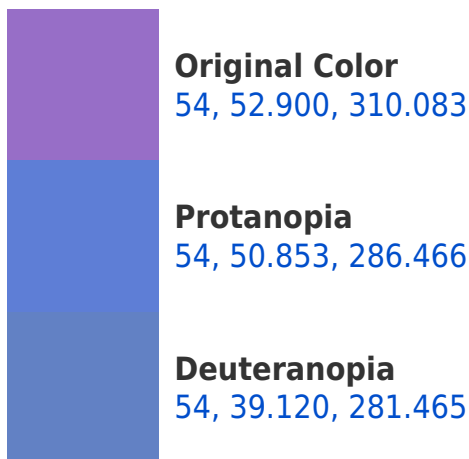



This preview shows how white text looks on a background with the CIELCh color 54, 52.900, 310.083.

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
54, 8.296, 336.368

Trichromacy



Original Color
54, 52.900, 310.083

Protanomaly
54, 51.266, 294.476

Deuteranomaly
54, 43.245, 293.221

Tritanomaly
54, 23.761, 314.537

Monochromacy



Original Color
54, 52.900, 310.083

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 19.334, 308.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 52.900, 310.083 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(151, 110, 199)` looks like.

```
.text, #text, p{  
    color:rgb(151, 110, 199)  
}
```

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(151, 110, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 110, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 52.900, 310.083 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(151, 110, 199) }
```

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

```
.border{ border-color:rgb(151, 110, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 110, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 110, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 110, 199);  
box-shadow:4px 4px 4px 4px rgb(151, 110,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 52.900, 310.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 110, 199) }
```

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

```
.background{ background-color: rgb(151,  
110, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor