

Converting Colors

CIELCh(53, 51.828, 310.006)

Have a look what the booklet for
CIELCh(53, 51.828, 310.006)
contains.

CIELCh(53, 51.897, 310.044)	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(53, 51.897, 310.044)

Conversions

Conversions Part 1

Format	Color
Hex	946CC3
RGB	148, 108, 195
RGB Percent	58%, 42%, 76%
CMY	0.4186, 0.5755, 0.2343
CMYK	0.24, 0.45, 0.00, 0.23
HSL	268°, 42%, 60%
HSV	268°, 45%, 77%
XYZ	27.5256, 21.0462, 54.3954
YIQ	129.8780, -4.0870, 35.5370

Conversions

Conversions Part 2

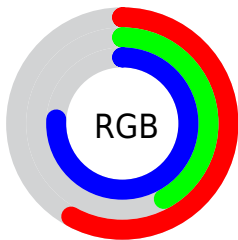
Format	Color
RYB	148, 108, 195
Decimal	9727171
CIELab	53.00, 33.39, -39.73
CIElCh	53, 51.897, 310.044
Yxy	21.0462, 0.2673, 0.2044
Android (android.graphics.Color)	4287917251 (0xFF946CC3)
YUV	129.8780, 32.1051, 15.8930
Hunter-Lab	45.8761, 26.8166, -38.1870

Details

The CIELCh color $53, 51.897, 310.044$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $74, 48.326, 125.540$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 52.045, 310.197$, and $33, 52.172, 310.128$ is the 20% darker color. If you saturate the color by 10%, you get $48, 63.870, 310.621$, and if you desaturate by 10%, it is $59, 39.857, 309.452$.

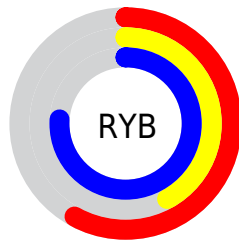
Distribution



Red (58%)

Green (42%)

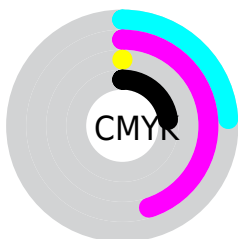
Blue (76%)



Red (58%)

Yellow (42%)

Blue (76%)

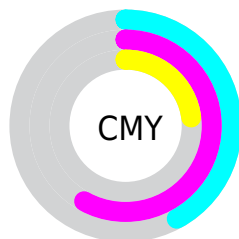


Cyan (24%)

Magenta (45%)

Yellow (0%)

Black (23%)



Cyan (42%)


Magenta (58%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 51.897, 310.044 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 53, 51.897, 310.044 by changing the saturation by 10% instead.


 53, 51.897,
310.044

 53, 51.897,
310.044


 100, 51.897,
310.044


 43, 51.897,
310.044


 73, 51.897,
310.044

 33, 51.897,
310.044

 83, 51.897,
310.044

 23, 51.897,
310.044

 93, 51.897,
310.044

 13, 51.897,
310.044

 3, 51.897, 310.044

 0, 51.897, 310.044

53, 51.897,
310.044

53, 51.897,
310.044

48, 63.870,
310.621

59, 39.857,
309.452

42, 75.405,
311.128

64, 27.970,
308.879

38, 85.912,
311.478

70, 16.350,
308.342

34, 94.582,
311.559

76, 5.054, 307.840

31, 100.569,
311.244

82, 5.897, 127.440

30, 103.001,
310.980

88, 16.501,
127.039

94, 26.766,
126.695

97, 31.348,
123.338

■ 98, 30.469,
116.287

Harmonies

Complementary

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



53, 51.897, 310.044



74, 48.326, 125.540

Rectangle

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



53, 51.897, 310.044



53, 51.897, 0.044



53, 51.897, 130.044



53, 51.897, 180.044

Sweetspot

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



53, 51.896, 310.044



91, 18.086, 308.272



62, 25.816, 257.509



47, 12.697, 308.387



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 51.896, 310.044



62, 77.034, 310.581



58, 55.861, 325.294



38, 6.276, 308.078



24, 88.986, 311.141



2, 20.085, 303.970

Inverse Universe

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



57, 41.763, 345.854



68, 60.783, 347.113



72, 55.800, 139.897



38, 5.232, 342.253



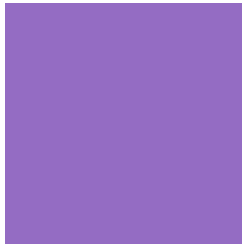
34, 60.610, 357.796



3, 16.207, 349.910

Previews

White Background



This preview shows how the CIELCh color 53, 51.897, 310.044 looks on a white background.

Color Contrast Check

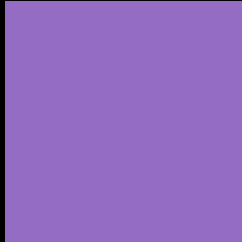
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 53, 51.897, 310.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

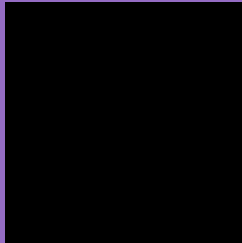
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 51.897, 310.044

Background



This preview shows how black text looks on a background with the CIELCh color 53, 51.897, 310.044.

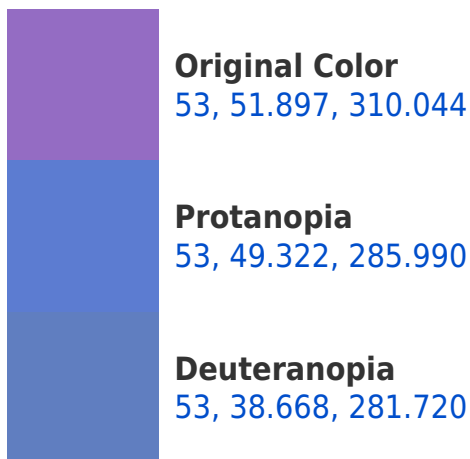



This preview shows how white text looks on a background with the CIELCh color 53, 51.897, 310.044.

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
53, 8.330, 336.383

Trichromacy



Original Color
53, 51.897, 310.044

Protanomaly
53, 49.720, 294.003

Deuteranomaly
53, 42.227, 293.108

Tritanomaly
53, 23.854, 314.556

Monochromacy



Original Color
53, 51.897, 310.044

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 19.413, 308.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 51.897, 310.044 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(148, 108, 195)` looks like.

```
.text, #text, p{  
    color:rgb(148, 108, 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(148, 108, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 108, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 51.897, 310.044 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(148, 108, 195) }
```

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

```
.border{ border-color:rgb(148, 108, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 108, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 108, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 108, 195); box-shadow:4px 4px 4px 4px rgb(148, 108, 195) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 51.897, 310.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 108, 195) }
```

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

```
.background{ background-color: rgb(148,  
108, 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](#).

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