

Converting Colors

CIELCh(53, 49.283, 312.812)

Have a look what the booklet for
CIELCh(53, 49.283, 312.812)
contains.

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Color

CIELCh(53, 48.976, 312.582)

Conversions

Conversions Part 1

Format	Color
Hex	986CBD
RGB	152, 108, 189
RGB Percent	60%, 42%, 74%
CMY	0.4042, 0.5768, 0.2592
CMYK	0.20, 0.43, 0.00, 0.26
HSL	273°, 38%, 58%
HSV	273°, 43%, 74%
XYZ	27.4633, 21.0462, 50.7098
YIQ	130.3900, 0.2230, 34.5190

Conversions

Conversions Part 2

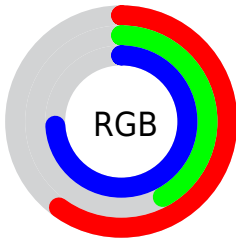
Format	Color
R_{YB}	152, 108, 189
Decimal	9989309
CIE _{Lab}	53.00, 33.14, -36.06
CIE _{LCh}	53, 48.976, 312.582
Yxy	21.0462, 0.2768, 0.2121
Android (android.graphics.Color)	4288179389 (0xFF986CBD)
YUV	130.3900, 28.8947, 18.9520
Hunter-Lab	45.8761, 26.5740, -33.4238

Details

The CIELCh color $53, 48.976, 312.582$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $72, 46.350, 128.590$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 49.351, 312.702$, and $33, 48.932, 312.621$ is the 20% darker color. If you saturate the color by 10%, you get $48, 60.539, 313.050$, and if you desaturate by 10%, it is $58, 37.274, 312.084$.

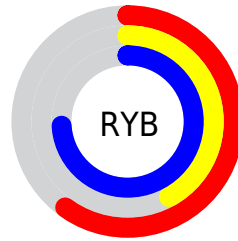
Distribution



Red (60%)

Green (42%)

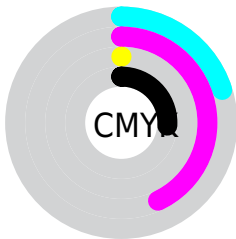
Blue (74%)



Red (60%)

Yellow (42%)

Blue (74%)

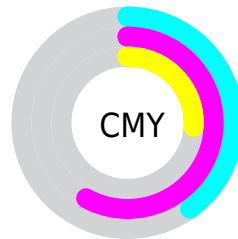


Cyan (20%)

Magenta (43%)

Yellow (0%)

Black (26%)



Cyan (40%)


Magenta (58%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 48.976, 312.582 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, 48.976, 312.582 by changing the saturation by 10% instead.


 53, 48.976,
312.582

 53, 48.976,
312.582


 100, 48.976,
312.582


 43, 48.976,
312.582


 73, 48.976,
312.582

 33, 48.976,
312.582

 83, 48.976,
312.582

 23, 48.976,
312.582

 93, 48.976,
312.582

 13, 48.976,
312.582

 3, 48.976, 312.582

 0, 48.976, 312.582

53, 48.976,
312.582

53, 48.976,
312.582

48, 60.539,
313.050

58, 37.274,
312.084

43, 71.606,
313.439

64, 25.660,
311.588

39, 81.638,
313.677

69, 14.260,
311.113

35, 89.933,
313.670

75, 3.144, 310.642

32, 95.777,
313.318


81, 7.659, 130.299

31, 98.684,
312.907

86, 18.137,
129.929

92, 28.294,
129.605

96, 35.791,
128.397

 97, 34.720,
123.592

Harmonies

Complementary

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



53, 48.976, 312.582



72, 46.350, 128.590

Rectangle

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



53, 48.976, 312.582



53, 48.976, 2.582



53, 48.976, 132.582



53, 48.976, 182.582

Sweetspot

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



53, 48.975, 312.582



87, 17.785, 311.128



59, 26.618, 266.530



45, 12.476, 311.232



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



53, 48.975, 312.582



62, 72.083, 313.004



57, 51.843, 327.661



37, 6.244, 310.951



25, 86.390, 313.059



2, 18.215, 306.504

Inverse Universe

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



56, 37.431, 350.610



66, 54.480, 351.992



70, 51.993, 142.011



37, 4.841, 346.801



33, 59.073, 5.531



3, 13.636, 354.124

Previews

White Background



This preview shows how the CIELCh color 53, 48.976, 312.582 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 53, 48.976, 312.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

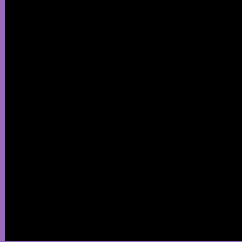
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 48.976, 312.582

Background



This preview shows how black text looks on a background with the CIELCh color 53, 48.976, 312.582.

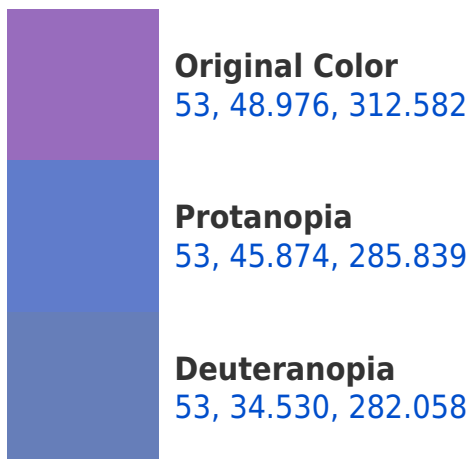


This preview shows how white text looks on a background with the CIELCh color 53, 48.976, 312.582.

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, 9.909, 348.967

Trichromacy



Original Color
53, 48.976, 312.582

Protanomaly
53, 46.301, 294.876

Deuteranomaly
53, 38.851, 295.257

Tritanomaly
53, 23.271, 321.537

Monochromacy



Original Color
53, 48.976, 312.582

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 17.893, 311.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 48.976, 312.582 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(152, 108, 189)` looks like.

```
.text, #text, p{  
    color:rgb(152, 108, 189)  
}
```

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(152, 108, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 108, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 48.976, 312.582 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(152, 108, 189) }
```

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

```
.border{ border-color:rgb(152, 108, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 108, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 108, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 108, 189);  
box-shadow:4px 4px 4px 4px rgb(152, 108,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 48.976, 312.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 108, 189) }
```

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

```
.background{ background-color: rgb(152,  
108, 189) }
```

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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