

Converting Colors

CIELCh(53, 49.920, 323.554)

Have a look what the booklet for
CIELCh(53, 49.920, 323.554)
contains.

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Color

CIELCh(53, 49.844, 323.605)

Conversions

Conversions Part 1

Format	Color
Hex	AA65B2
RGB	170, 101, 178
RGB Percent	67%, 40%, 70%
CMY	0.3336, 0.6041, 0.3022
CMYK	0.04, 0.43, 0.00, 0.30
HSL	294°, 33%, 55%
HSV	294°, 43%, 70%
XYZ	29.2406, 21.0462, 44.6071
YIQ	130.4090, 16.4070, 38.5750

Conversions

Conversions Part 2

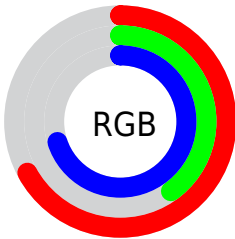
Format	Color
R_{YB}	170, 101, 178
Decimal	11167154
CIE _{Lab}	53.00, 40.12, -29.57
CIE _{LCh}	53, 49.844, 323.605
Yxy	21.0462, 0.3081, 0.2218
Android (android.graphics.Color)	4289357234 (0xFFAA65B2)
YUV	130.4090, 23.4624, 34.7213
Hunter-Lab	45.8761, 33.4896, -25.5366

Details

The CIELCh color $53, 49.844, 323.605$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $67, 49.509, 138.803$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 49.697, 323.732$, and $33, 49.736, 323.562$ is the 20% darker color. If you saturate the color by 10%, you get $49, 60.427, 323.979$, and if you desaturate by 10%, it is $57, 38.582, 323.174$.

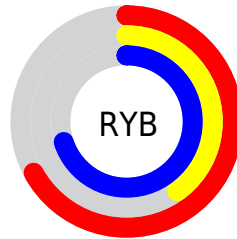
Distribution



Red (67%)

Green (40%)

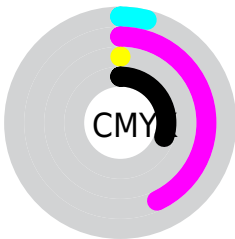
Blue (70%)



Red (67%)

Yellow (40%)

Blue (70%)

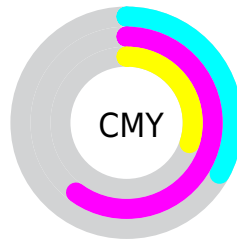


Cyan (4%)

Magenta (43%)

Yellow (0%)

Black (30%)



Cyan (33%)


Magenta (60%)

Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 49.844, 323.605 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, 49.844, 323.605 by changing the saturation by 10% instead.

 53, 49.844,
323.605

 53, 49.844,
323.605


 100, 49.844,
323.605

 43, 49.844,
323.605


 73, 49.844,
323.605

 33, 49.844,
323.605

 83, 49.844,
323.605

 23, 49.844,
323.605

 93, 49.844,
323.605

 13, 49.844,
323.605

 3, 49.844, 323.605

 0, 49.844, 323.605

■ 53, 49.844,
323.605

■ 53, 49.844,
323.605

■ 49, 60.427,
323.979

■ 57, 38.582,
323.174

■ 46, 69.905,
324.269

■ 62, 26.992,
322.708

■ 43, 77.798,
324.446

■ 66, 15.324,
322.224

■ 41, 83.674,
324.483

■ 71, 3.752, 321.702

■ 76, 7.615, 141.319


■ 40, 87.295,
324.361

■ 81, 18.710,
140.852

■ 39, 88.846,
324.218

■ 86, 29.499,
140.421

■ 91, 39.966,
140.017

 94, 46.556,
139.555

Harmonies

Complementary

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



53, 49.844, 323.605



67, 49.509, 138.803

Rectangle

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



53, 49.844, 323.605



53, 49.844, 13.605



53, 49.844, 143.605



53, 49.844, 193.605

Sweetspot

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



53, 49.842, 323.605



84, 18.629, 322.221



48, 40.005, 291.332



44, 13.158, 322.329



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



53, 49.842, 323.605



64, 73.253, 323.967



53, 39.443, 341.535



35, 6.540, 322.028



33, 79.477, 324.264



2, 15.498, 320.182

Inverse Universe

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



52, 33.119, 16.018



62, 50.301, 18.038



67, 38.550, 153.841



35, 3.941, 11.530



31, 67.030, 34.942



2, 9.232, 12.758

Previews

White Background



This preview shows how the CIELCh color 53, 49.844, 323.605 looks on a white background.

Color Contrast Check

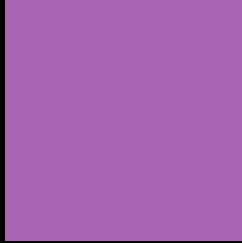
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.844, 323.605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

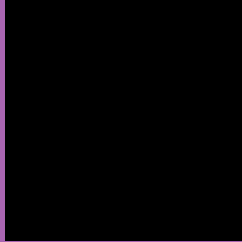
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 49.844, 323.605

Background



This preview shows how black text looks on a background with the CIELCh color 53, 49.844, 323.605.

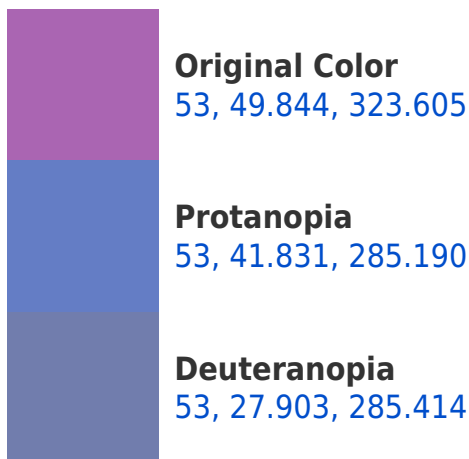



This preview shows how white text looks on a background with the CIELCh color 53, 49.844, 323.605.

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, 20.904, 7.779

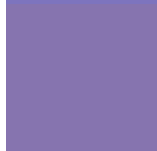
Trichromacy



Original Color
53, 49.844, 323.605



Protanomaly
52, 43.082, 298.976



Deuteranomaly
53, 34.903, 304.279



Tritanomaly
53, 28.764, 341.965

Monochromacy



Original Color
53, 49.844, 323.605



Achromatopsia
54, 0.007, 296.813



Achromatomaly
53, 19.051, 323.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 49.844, 323.605 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(170, 101, 178)` looks like.

```
.text, #text, p{  
    color:rgb(170, 101, 178)  
}
```

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(170, 101, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 101, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 49.844, 323.605 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(170, 101, 178) }
```

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

```
.border{ border-color:rgb(170, 101, 178) }
```

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

Here you see how a box with a 4 pixel rgb(170, 101, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 101, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 101, 178);  
box-shadow:4px 4px 4px 4px rgb(170, 101,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 49.844, 323.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 101, 178) }
```

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

```
.background{ background-color: rgb(170,  
101, 178) }
```

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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