

Converting Colors

CIELCh(53, 41.323, 313.080)

Have a look what the booklet for
CIELCh(53, 41.323, 313.080)
contains.

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Color

CIELCh(53, 41.493, 312.837)

Conversions

Conversions Part 1

Format	Color
Hex	956FB3
RGB	149, 111, 179
RGB Percent	58%, 44%, 70%
CMY	0.4153, 0.5643, 0.2977
CMYK	0.17, 0.38, 0.00, 0.30
HSL	274°, 31%, 57%
HSV	274°, 38%, 70%
XYZ	26.2533, 21.0462, 45.3787
YIQ	130.1140, 0.8200, 29.2040

Conversions

Conversions Part 2

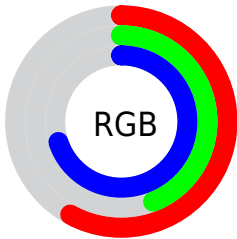
Format	Color
R _Y B	149, 111, 179
Decimal	9793459
CIE _{Lab}	53.00, 28.21, -30.43
CIE _{LCh}	53, 41.493, 312.837
Yxy	21.0462, 0.2833, 0.2271
Android (android.graphics.Color)	4287983539 (0xFF956FB3)
YUV	130.1140, 24.1008, 16.5630
Hunter-Lab	45.8761, 21.8661, -26.5338

Details

The CIELCh color $53, 41.493, 312.837$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $69, 39.627, 129.363$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 41.596, 312.852$, and $33, 41.788, 312.994$ is the 20% darker color. If you saturate the color by 10%, you get $48, 52.654, 313.308$, and if you desaturate by 10%, it is $58, 30.300, 312.351$.

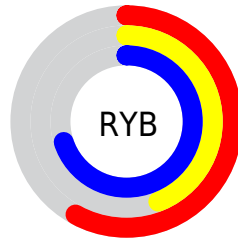
Distribution



Red (58%)

Green (44%)

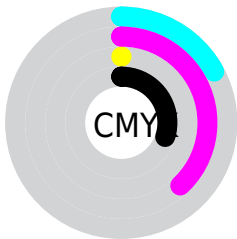
Blue (70%)



Red (58%)

Yellow (44%)

Blue (70%)

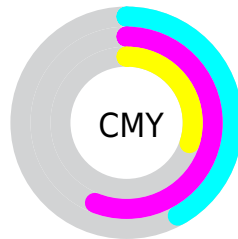


Cyan (17%)

Magenta (38%)

Yellow (0%)

Black (30%)



Cyan (42%)


Magenta (56%)


Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 41.493, 312.837 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, 41.493, 312.837 by changing the saturation by 10% instead.


 53, 41.493,
312.837


 53, 41.493,
312.837


 100, 41.493,
312.837


 43, 41.493,
312.837


 73, 41.493,
312.837

 33, 41.493,
312.837

 83, 41.493,
312.837

 23, 41.493,
312.837

 93, 41.493,
312.837

 13, 41.493,
312.837

 3, 41.493, 312.837

 0, 41.493, 312.837

53, 41.493,
312.837

53, 41.493,
312.837

48, 52.654,
313.308

58, 30.300,
312.351

43, 63.512,
313.725

63, 19.248,
311.874

39, 73.638,
314.029

69, 8.430, 311.417

35, 82.441,
314.139

74, 2.105, 131.078

32, 89.234,
313.961

79, 12.338,
130.651


30, 93.669,
313.448

85, 22.262,
130.307

29, 94.494,
313.344

90, 31.885,
130.003

95, 41.216,
129.735

 96, 40.481,
126.164

Harmonies

Complementary

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



53, 41.493, 312.837



69, 39.627, 129.363

Rectangle

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



53, 41.493, 312.837



53, 41.493, 2.837



53, 41.493, 132.837



53, 41.493, 182.837

Sweetspot

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



53, 41.491, 312.837



85, 14.420, 311.562



58, 23.067, 267.037



44, 9.784, 311.623



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, 41.491, 312.837



62, 62.309, 313.254



56, 43.754, 327.897



35, 5.984, 311.478



24, 84.035, 313.483



2, 13.986, 307.216

Inverse Universe

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



55, 31.529, 350.895



66, 46.991, 352.167



67, 43.811, 142.970



35, 4.577, 347.708



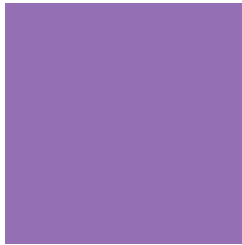
32, 57.657, 6.886



2, 10.280, 353.117

Previews

White Background



This preview shows how the CIELCh color 53, 41.493, 312.837 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, 41.493, 312.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

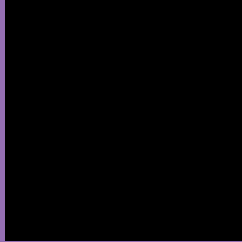
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 41.493, 312.837

Background



This preview shows how black text looks on a background with the CIELCh color 53, 41.493, 312.837.



This preview shows how white text looks on a background with the CIELCh color 53, 41.493, 312.837.

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



Original Color

53, 41.493, 312.837

Protanopia

53, 37.788, 285.060

Deuteranopia

53, 29.709, 284.382



Tritanopia
53, 9.878, 344.793

Trichromacy



Original Color
53, 41.493, 312.837

Protanomaly
53, 38.225, 294.710

Deuteranomaly
53, 33.111, 296.414

Tritanomaly
53, 20.746, 321.843

Monochromacy



Original Color
53, 41.493, 312.837

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 15.464, 311.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 41.493, 312.837 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(149, 111, 179)` looks like.

```
.text, #text, p{  
    color:rgb(149, 111, 179)  
}
```

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(149, 111, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 111, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 41.493, 312.837 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(149, 111, 179) }
```

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

```
.border{ border-color:rgb(149, 111, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 111, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 111, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 111, 179);  
box-shadow:4px 4px 4px 4px rgb(149, 111,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 41.493, 312.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 111, 179) }
```

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

```
.background{ background-color: rgb(149,  
111, 179) }
```

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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