

Converting Colors

CIELCh(53, 40.741, 318.857)

Have a look what the booklet for
CIELCh(53, 40.741, 318.857)
contains.

CIELCh(53, 40.590, 318.863)	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, 40.590, 318.863)

Conversions

Conversions Part 1

Format	Color
Hex	9D6DAD
RGB	157, 109, 173
RGB Percent	62%, 43%, 68%
CMY	0.3852, 0.5734, 0.3225
CMYK	0.09, 0.37, 0.00, 0.32
HSL	285°, 28%, 55%
HSV	285°, 37%, 68%
XYZ	26.8278, 21.0462, 42.0691
YIQ	130.6480, 8.0640, 30.0800

Conversions

Conversions Part 2

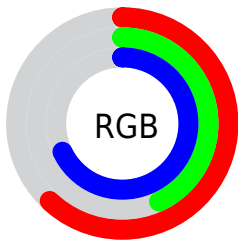
Format	Color
R _{YB}	157, 109, 173
Decimal	10317229
CIE Lab	53.00, 30.57, -26.70
CIE LCh	53, 40.590, 318.863
Yxy	21.0462, 0.2983, 0.2340
Android (android.graphics.Color)	4288507309 (0xFF9D6DAD)
YUV	130.6480, 20.8795, 23.1107
Hunter-Lab	45.8761, 24.1015, -22.2566

Details

The CIELCh color $53, 40.590, 318.863$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $66, 39.729, 135.407$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 40.876, 318.582$, and $33, 40.408, 318.776$ is the 20% darker color. If you saturate the color by 10%, you get $49, 51.383, 319.245$, and if you desaturate by 10%, it is $58, 29.552, 318.442$.

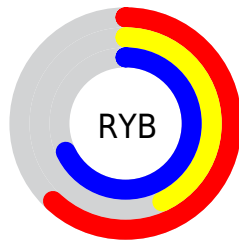
Distribution



Red (62%)

Green (43%)

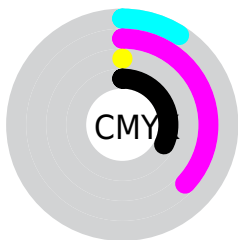
Blue (68%)



Red (62%)

Yellow (43%)

Blue (68%)

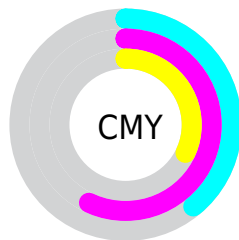


Cyan (9%)

Magenta (37%)

Yellow (0%)

Black (32%)



Cyan (39%)


Magenta (57%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 40.590, 318.863 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, 40.590, 318.863 by changing the saturation by 10% instead.


 53, 40.590,
318.863


 53, 40.590,
318.863


 100, 40.590,
318.863


 43, 40.590,
318.863


 73, 40.590,
318.863

 33, 40.590,
318.863

 83, 40.590,
318.863

 23, 40.590,
318.863

 93, 40.590,
318.863

 13, 40.590,
318.863

 3, 40.590, 318.863

 0, 40.590, 318.863

■ 53, 40.590,
318.863

■ 53, 40.590,
318.863

■ 49, 51.383,
319.245

■ 58, 29.552,
318.442

■ 45, 61.613,
319.557

■ 62, 18.497,
318.006

■ 41, 70.843,
319.754

■ 67, 7.569, 317.564

■ 38, 78.558,
319.786

■ 72, 3.146, 137.229

■ 36, 84.260,
319.600

■ 77, 13.598,
136.795

■ 34, 87.750,
319.168

■ 82, 23.763,
136.424

■ 33, 88.638,
319.029

■ 87, 33.633,
136.085

■ 92, 43.211,
135.776

■ 94, 47.134,
134.811

Harmonies

Complementary

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



53, 40.590, 318.863



66, 39.729, 135.407

Rectangle

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



53, 40.590, 318.863



53, 40.590, 8.863



53, 40.590, 138.863



53, 40.590, 188.863

Sweetspot

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



53, 40.588, 318.863



83, 14.701, 317.750



53, 27.483, 281.815



43, 9.877, 317.807



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



53, 40.588, 318.863



64, 59.540, 319.164



54, 36.618, 334.197



34, 6.124, 317.666



29, 80.021, 319.121



2, 12.547, 314.681

Inverse Universe

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



53, 27.696, 3.872



64, 41.037, 5.221



65, 36.411, 148.736



34, 4.026, 0.320



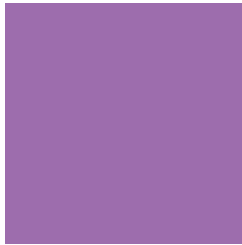
31, 60.345, 24.462



2, 8.167, 2.945

Previews

White Background



This preview shows how the CIELCh color 53, 40.590, 318.863 looks on a white background.

Color Contrast Check

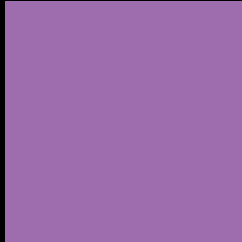
Large Text (above 18pt) WCAG AA ✓ Pass

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, 40.590, 318.863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

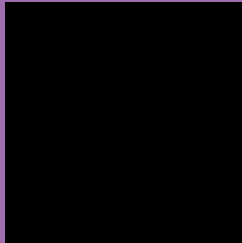
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 40.590, 318.863

Background



This preview shows how black text looks on a background with the CIELCh color 53, 40.590, 318.863.



This preview shows how white text looks on a background with the CIELCh color 53, 40.590, 318.863.

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, 40.590, 318.863

Protanopia
53, 34.880, 285.165

Deuteranopia
53, 26.134, 285.991



Tritanopia
53, 13.997, 359.402

Trichromacy



Original Color
53, 40.590, 318.863

Protanomaly
53, 36.047, 297.554

Deuteranomaly
53, 30.486, 300.868

Tritanomaly
53, 22.032, 332.630

Monochromacy



Original Color
53, 40.590, 318.863

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 15.550, 317.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 40.590, 318.863 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(157, 109, 173)` looks like.

```
.text, #text, p{  
    color:rgb(157, 109, 173)  
}
```

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(157, 109, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 109, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 40.590, 318.863 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(157, 109, 173) }
```

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

```
.border{ border-color:rgb(157, 109, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 109, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 109, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 109, 173);  
box-shadow:4px 4px 4px 4px rgb(157, 109,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 40.590, 318.863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 109, 173) }
```

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

```
.background{ background-color: rgb(157,  
109, 173) }
```

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