

Converting Colors

CIELCh(40, 53.454, 316.682)

Have a look what the booklet for
CIELCh(40, 53.454, 316.682)
contains.

CIELCh(40, 53.298, 316.509)	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(40, 53.298, 316.509)

Conversions

Conversions Part 1

Format	Color
Hex	7E479B
RGB	126, 71, 155
RGB Percent	49%, 28%, 61%
CMY	0.5069, 0.7225, 0.3932
CMYK	0.19, 0.54, 0.00, 0.39
HSL	279°, 37%, 44%
HSV	279°, 54%, 61%
XYZ	16.7000, 11.2510, 32.1893
YIQ	97.0210, 5.8160, 37.7840

Conversions

Conversions Part 2

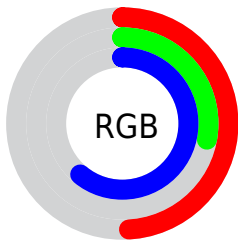
Format	Color
R_{YB}	126, 71, 155
Decimal	8275867
CIE _{Lab}	40.00, 38.67, -36.68
CIE _{LCh}	40, 53.298, 316.509
Yxy	11.2510, 0.2777, 0.1871
Android (android.graphics.Color)	4286465947 (0xFF7E479B)
YUV	97.0210, 28.5836, 25.4146
Hunter-Lab	33.5425, 30.1717, -33.4183

Details

The CIELCh color `40, 53.298, 316.509` is a dark color, and the websafe version is hex `663399`. A complement of this color would be `59, 50.868, 131.710`, and the grayscale version is `41, 0.006, 296.813`.

A 20% lighter version of the original color is `60, 53.087, 316.584`, and `20, 53.156, 316.519` is the 20% darker color. If you saturate the color by 10%, you get `36, 62.348, 316.779`, and if you desaturate by 10%, it is `44, 43.630, 316.144`.

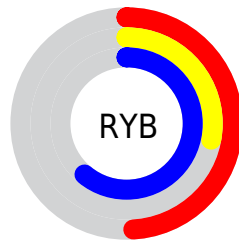
Distribution



Red (49%)

Green (28%)

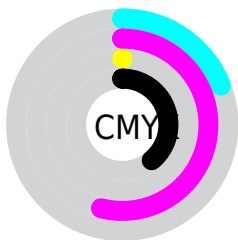
Blue (61%)



Red (49%)

Yellow (28%)

Blue (61%)

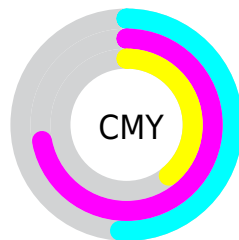


Cyan (19%)

Magenta (54%)

Yellow (0%)

Black (39%)



Cyan (51%)


Magenta (72%)


Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 53.298, 316.509 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 40, 53.298, 316.509 by changing the saturation by 10% instead.


 40, 53.298,
316.509


 40, 53.298,
316.509


 100, 53.298,
316.509


 30, 53.298,
316.509

 60, 53.298,
316.509


 20, 53.298,
316.509

 70, 53.298,
316.509

 10, 53.298,
316.509

 80, 53.298,
316.509

 0, 53.298, 316.509

 90, 53.298,
316.509

 40, 53.298,

 40, 53.298,

316.509

■ 36, 62.348,
316.779

■ 33, 70.332,
316.895

■ 30, 76.725,
316.787

■ 28, 81.076,
316.388

■ 27, 83.108,
316.113

316.509

■ 44, 43.630,
316.144

■ 48, 33.685,
315.728

■ 53, 23.692,
315.293

■ 57, 13.795,
314.858

■ 62, 4.084, 314.419

■ 67, 5.395, 134.089

■ 71, 14.618,
133.713

■ 76, 23.575,
133.380

■ 80, 32.270,
133.080

Harmonies

Complementary

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



40, 53.298, 316.509



59, 50.868, 131.710

Rectangle

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



40, 53.298, 316.509



40, 53.298, 6.509



40, 53.298, 136.509



40, 53.298, 186.509

Sweetspot

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



40, 53.297, 316.509



72, 19.220, 314.946



43, 33.529, 279.845



37, 13.105, 315.029



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



40, 53.297, 316.509



47, 77.880, 316.817



43, 50.474, 332.138



30, 5.385, 314.640



24, 77.303, 316.200



1, 5.747, 313.923

Inverse Universe

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



42, 38.209, 0.008



50, 55.613, 2.830



57, 50.844, 144.095



30, 3.803, 353.680



29, 54.889, 15.558



1, 4.031, 353.277

Previews

White Background



This preview shows how the CIELCh color 40, 53.298, 316.509 looks on a white background.

Color Contrast Check

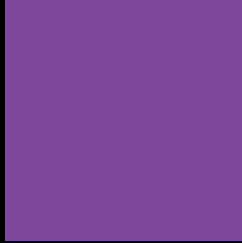
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 40, 53.298, 316.509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

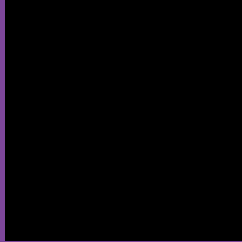
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 53.298, 316.509

Background



This preview shows how black text looks on a background with the CIELCh color 40, 53.298, 316.509.

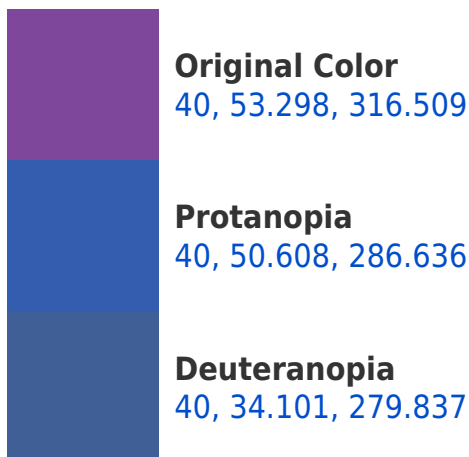


This preview shows how white text looks on a background with the CIELCh color 40, 53.298, 316.509.

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
40, 13.038, 5.219

Trichromacy



Original Color
40, 53.298, 316.509

Protanomaly
39, 51.126, 295.866

Deuteranomaly
39, 40.295, 295.989

Tritanomaly
40, 25.724, 329.996

Monochromacy



Original Color
40, 53.298, 316.509

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 20.523, 315.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 53.298, 316.509 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(126, 71, 155)` looks like.

```
.text, #text, p{  
    color:rgb(126, 71, 155)  
}
```

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(126, 71, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 71, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 53.298, 316.509 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(126, 71, 155) }
```

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

```
.border{ border-color:rgb(126, 71, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 71, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 71, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 71, 155); box-shadow:4px 4px 4px 4px rgb(126, 71, 155) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 53.298, 316.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 71, 155) }
```

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

```
.background{ background-color: rgb(126, 71,  
155) }
```

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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