

Converting Colors

CIELCh(40, 52.056, 321.009)

Have a look what the booklet for
CIELCh(40, 52.056, 321.009)
contains.

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Color

CIELCh(40, 52.056, 321.009)

Conversions

Conversions Part 1

Format	Color
Hex	844494
RGB	132, 68, 148
RGB Percent	52%, 27%, 58%
CMY	0.4811, 0.7321, 0.4183
CMYK	0.11, 0.54, 0.00, 0.42
HSL	288°, 37%, 42%
HSV	288°, 54%, 58%
XYZ	17.0229, 11.2510, 29.4252
YIQ	96.2560, 12.4640, 38.4480

Conversions

Conversions Part 2

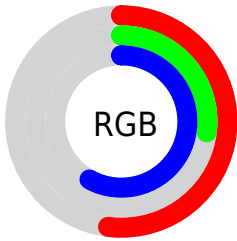
Format	Color
R_{YB}	132, 68, 148
Decimal	8668308
CIE _{Lab}	40.00, 40.46, -32.75
CIE _{LCh}	40, 52.056, 321.009
Yxy	11.2510, 0.2950, 0.1950
Android (android.graphics.Color)	4286858388 (0xFF844494)
YUV	96.2560, 25.5098, 31.3475
Hunter-Lab	33.5425, 31.8901, -28.5325

Details

The CIELCh color $40, 52.056, 321.009$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $56, 51.046, 135.725$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 51.771, 321.190$, and $20, 52.133, 320.963$ is the 20% darker color. If you saturate the color by 10%, you get $37, 60.466, 321.256$, and if you desaturate by 10%, it is $44, 42.848, 320.670$.

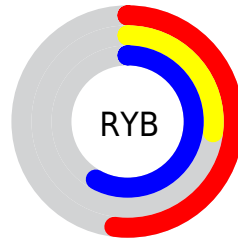
Distribution



Red (52%)

Green (27%)

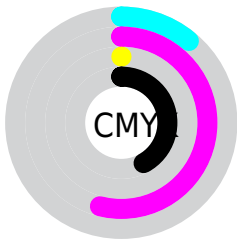
Blue (58%)



Red (52%)

Yellow (27%)

Blue (58%)

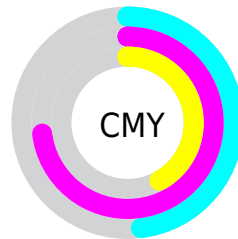


Cyan (11%)

Magenta (54%)

Yellow (0%)

Black (42%)



Cyan (48%)


Magenta (73%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 52.056, 321.009 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, 52.056, 321.009 by changing the saturation by 10% instead.


 40, 52.056,
321.009


 40, 52.056,
321.009


 100, 52.056,
321.009


 30, 52.056,
321.009

 60, 52.056,
321.009


 20, 52.056,
321.009

 70, 52.056,
321.009


 10, 52.056,
321.009

 80, 52.056,
321.009

 0, 52.056, 321.009

 90, 52.056,
321.009

 40, 52.056,

 40, 52.056,

321.009

■ 37, 60.466,
321.256

■ 34, 67.665,
321.370

■ 32, 73.228,
321.308

■ 30, 76.859,
321.036

■ 30, 78.584,
320.828

321.009

■ 44, 42.848,
320.670

■ 47, 33.195,
320.274

■ 51, 23.357,
319.845

■ 56, 13.518,
319.403

■ 60, 3.796, 318.939

■ 64, 5.734, 138.594

■ 68, 15.031,
138.178

■ 73, 24.074,
137.801

■ 77, 32.857,
137.452

Harmonies

Complementary

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



40, 52.056, 321.009



56, 51.046, 135.725

Rectangle

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



40, 52.056, 321.009



40, 52.056, 11.009



40, 52.056, 141.009



40, 52.056, 191.009

Sweetspot

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



40, 52.055, 321.009



70, 19.318, 319.509



37, 39.459, 289.394



35, 13.021, 319.591



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



40, 52.055, 321.009



47, 75.931, 321.297



41, 43.937, 338.433



29, 5.440, 319.190



27, 74.429, 320.874



1, 4.721, 318.812

Inverse Universe

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



40, 35.937, 10.805



47, 53.763, 14.123



55, 43.675, 149.214



29, 3.457, 4.022



28, 58.067, 28.012



1, 2.956, 3.255

Previews

White Background



This preview shows how the CIELCh color 40, 52.056, 321.009 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, 52.056, 321.009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

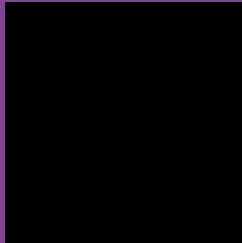
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 52.056, 321.009

Background



This preview shows how black text looks on a background with the CIELCh color 40, 52.056, 321.009.



This preview shows how white text looks on a background with the CIELCh color 40, 52.056, 321.009.

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

40, 52.056, 321.009

Protanopia

40, 47.607, 286.424

Deuteranopia

40, 30.255, 281.533



Tritanopia
40, 18.407, 9.056

Trichromacy



Original Color
40, 52.056, 321.009

Protanomaly
39, 48.219, 297.371

Deuteranomaly
39, 36.859, 300.049

Tritanomaly
40, 27.846, 338.229

Monochromacy



Original Color
40, 52.056, 321.009

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 19.905, 319.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 52.056, 321.009 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(132, 68, 148)` looks like.

```
.text, #text, p{  
    color:rgb(132, 68, 148)  
}
```

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(132, 68, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 68, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 52.056, 321.009 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(132, 68, 148) }
```

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

```
.border{ border-color:rgb(132, 68, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 68, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 68, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 68, 148);  
box-shadow:4px 4px 4px 4px rgb(132, 68,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 52.056, 321.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 68, 148) }
```

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

```
.background{ background-color: rgb(132, 68,  
148) }
```

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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