

Converting Colors

CIELCh(37, 52.237, 330.668)

Have a look what the booklet for
CIELCh(37, 52.237, 330.668)
contains.

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Color

CIELCh(37, 52.001, 330.520)

Conversions

Conversions Part 1

Format	Color
Hex	893681
RGB	137, 54, 129
RGB Percent	54%, 21%, 51%
CMY	0.4628, 0.7883, 0.4942
CMYK	0.00, 0.61, 0.06, 0.46
HSL	306°, 43%, 37%
HSV	306°, 61%, 54%
XYZ	15.5931, 9.5379, 21.7818
YIQ	87.3670, 25.3930, 40.9210

Conversions

Conversions Part 2

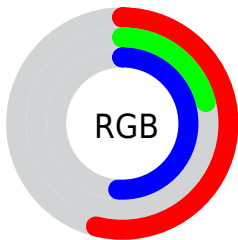
Format	Color
R_{YB}	137, 54, 129
Decimal	8992385
CIE _{Lab}	37.00, 45.27, -25.59
CIE _{LCh}	37, 52.001, 330.520
Yxy	9.5379, 0.3324, 0.2033
Android (android.graphics.Color)	4287182465 (0xFF893681)
YUV	87.3670, 20.5251, 43.5281
Hunter-Lab	30.8835, 36.0784, -20.1981

Details

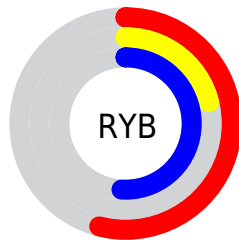
The CIELCh color $[37, 52.001, 330.520]$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $[51, 52.703, 141.840]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 51.748, 330.410]$, and $[18, 49.361, 330.542]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 58.220, 331.022]$, and if you desaturate by 10%, it is $[40, 44.591, 329.992]$.

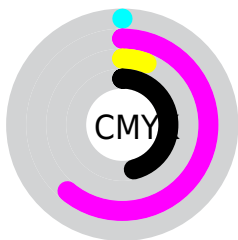
Distribution



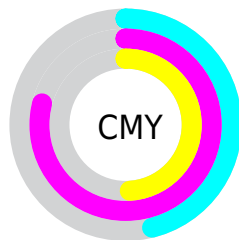
- Red (54%)
- Green (21%)
- Blue (51%)



- Red (54%)
- Yellow (21%)
- Blue (51%)



- Cyan (0%)
- Magenta (61%)
- Yellow (6%)
- Black (46%)





- Cyan (46%)
- Magenta (79%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 52.001, 330.520 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 37, 52.001, 330.520 by changing the saturation by 10% instead.


 37, 52.001,
330.520


 37, 52.001,
330.520

 100, 52.001,
330.520


 27, 52.001,
330.520

 57, 52.001,
330.520


 17, 52.001,
330.520


 67, 52.001,
330.520

 7, 52.001, 330.520

 77, 52.001,
330.520

 0, 52.001, 330.520

 87, 52.001,
330.520

 97, 52.001,
330.520

37, 52.001,
330.520

37, 52.001,
330.520

35, 58.220,
331.022

40, 44.591,
329.992

33, 62.930,
331.498

43, 36.351,
329.441

32, 65.920,
331.953

46, 27.597,
328.877

31, 67.631,
332.371

49, 18.591,
328.306

53, 9.525, 327.730

57, 0.532, 326.797

61, 8.300, 146.683

65, 16.920,
146.149

■ 69, 25.299,
145.646

Harmonies

Complementary

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



37, 52.001, 330.520



51, 52.703, 141.840

Rectangle

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



37, 52.001, 330.520



37, 52.001, 20.520



37, 52.001, 150.520



37, 52.001, 200.520

Sweetspot

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



37, 51.999, 330.520



64, 20.165, 328.180



28, 53.211, 301.080



32, 13.966, 328.327



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



37, 51.999, 330.520



45, 73.248, 331.216



35, 39.155, 356.072



27, 5.093, 327.646



30, 66.072, 332.357



0, 2.350, 327.160

Inverse Universe

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



37, 51.999, 330.520



45, 73.248, 331.216



51, 35.594, 161.690



27, 5.093, 327.646



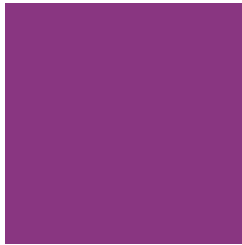
30, 66.072, 332.357



0, 2.350, 327.160

Previews

White Background



This preview shows how the CIELCh color 37, 52.001, 330.520 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 37, 52.001, 330.520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

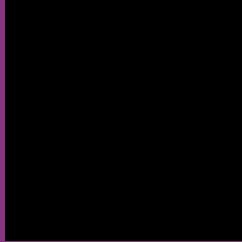
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 52.001, 330.520

Background



This preview shows how black text looks on a background with the CIELCh color 37, 52.001, 330.520.

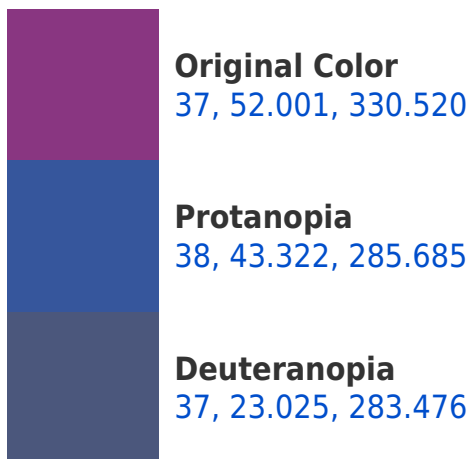


This preview shows how white text looks on a background with the CIELCh color 37, 52.001, 330.520.

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
37, 28.473, 18.323

Trichromacy



Original Color
37, 52.001, 330.520

Protanomaly
36, 44.805, 300.775

Deuteranomaly
36, 32.762, 309.431

Tritanomaly
37, 33.447, 353.205

Monochromacy



Original Color
37, 52.001, 330.520

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 20.687, 328.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 52.001, 330.520 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(137, 54, 129)` looks like.

```
.text, #text, p{  
    color:rgb(137, 54, 129)  
}
```

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(137, 54, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 54, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 52.001, 330.520 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(137, 54, 129) }
```

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

```
.border{ border-color:rgb(137, 54, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 54, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 54, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 54, 129);  
box-shadow:4px 4px 4px 4px rgb(137, 54,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 52.001, 330.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 54, 129) }
```

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

```
.background{ background-color: rgb(137, 54,  
129) }
```

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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