

Converting Colors

CIELCh(37, 51.626, 327.270)

Have a look what the booklet for
CIELCh(37, 51.626, 327.270)
contains.

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Color

CIELCh(37, 51.612, 327.255)

Conversions

Conversions Part 1

Format	Color
Hex	853985
RGB	133, 57, 133
RGB Percent	52%, 22%, 52%
CMY	0.4798, 0.7777, 0.4797
CMYK	0.00, 0.57, 0.00, 0.48
HSL	300°, 40%, 37%
HSV	300°, 57%, 52%
XYZ	15.2777, 9.5379, 23.1074
YIQ	88.3880, 20.9000, 39.7480

Conversions

Conversions Part 2

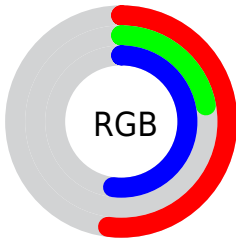
Format	Color
R_{YB}	133, 57, 133
Decimal	8731013
CIE _{Lab}	37.00, 43.41, -27.92
CIE _{LCh}	37, 51.612, 327.255
Yxy	9.5379, 0.3188, 0.1990
Android (android.graphics.Color)	4286921093 (0xFF853985)
YUV	88.3880, 21.9937, 39.1247
Hunter-Lab	30.8835, 34.2554, -22.7430

Details

The CIELCh color $37, 51.612, 327.255$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $49, 52.021, 139.765$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 51.567, 327.399$, and $17, 51.160, 327.358$ is the 20% darker color. If you saturate the color by 10%, you get $35, 58.569, 327.610$, and if you desaturate by 10%, it is $40, 43.580, 326.836$.

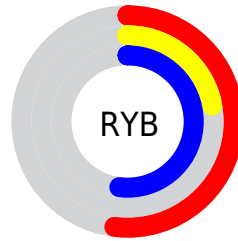
Distribution



Red (52%)

Green (22%)

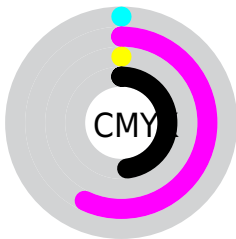
Blue (52%)



Red (52%)

Yellow (22%)

Blue (52%)

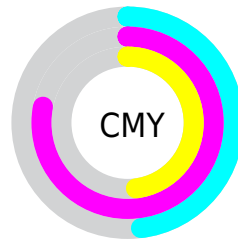


Cyan (0%)

Magenta (57%)

Yellow (0%)

Black (48%)



Cyan (48%)


Magenta (78%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 51.612, 327.255 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, 51.612, 327.255 by changing the saturation by 10% instead.


 37, 51.612,
327.255


 37, 51.612,
327.255

 100, 51.612,
327.255


 27, 51.612,
327.255

 57, 51.612,
327.255


 17, 51.612,
327.255


 67, 51.612,
327.255

 7, 51.612, 327.255

 77, 51.612,
327.255

 0, 51.612, 327.255

 87, 51.612,
327.255

 97, 51.612,
327.255

■ 37, 51.612,
327.255

■ 37, 51.612,
327.255

■ 35, 58.569,
327.610

■ 40, 43.580,
326.836

■ 33, 64.134,
327.887

■ 43, 34.815,
326.367

■ 32, 68.072,
328.079

■ 46, 25.613,
325.863

■ 31, 70.525,
328.198

■ 49, 16.215,
325.338

■ 31, 71.144,
328.227

■ 53, 6.798, 324.794

■ 56, 2.514, 144.373

■ 60, 11.641,
143.800

■ 64, 20.536,
143.297

■ 68, 29.173,
142.819

Harmonies

Complementary

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



37, 51.612, 327.255



49, 52.021, 139.765

Rectangle

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



37, 51.612, 327.255



37, 51.612, 17.255



37, 51.612, 147.255



37, 51.612, 197.255

Sweetspot

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



37, 51.610, 327.255



63, 19.857, 325.344



28, 47.941, 298.003



32, 13.230, 325.432



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



37, 51.610, 327.255



45, 73.696, 327.710



35, 37.967, 348.802



26, 5.272, 324.897



30, 70.125, 328.227



0, 1.256, 324.435

Inverse Universe

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



34, 36.442, 26.292



41, 55.947, 29.847



50, 36.151, 156.774



26, 3.050, 19.868



26, 62.115, 38.503



0, 0.707, 19.393

Previews

White Background



This preview shows how the CIELCh color 37, 51.612, 327.255 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, 51.612, 327.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

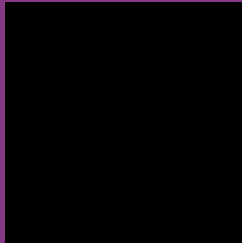
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 51.612, 327.255

Background



This preview shows how black text looks on a background with the CIELCh color 37, 51.612, 327.255.



This preview shows how white text looks on a background with the CIELCh color 37, 51.612, 327.255.

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
37, 51.612, 327.255

Protanopia
37, 45.172, 286.389

Deuteranopia
37, 24.957, 282.497



Tritanopia
37, 24.672, 16.573

Trichromacy



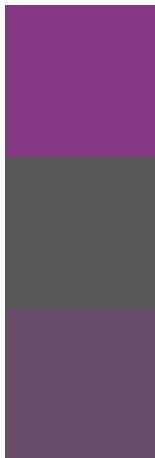
Original Color
37, 51.612, 327.255

Protanomaly
36, 45.901, 299.266

Deuteranomaly
36, 33.568, 305.907

Tritanomaly
37, 31.369, 348.516

Monochromacy



Original Color
37, 51.612, 327.255

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 19.966, 325.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 51.612, 327.255 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(133, 57, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 57, 133)  
}
```

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(133, 57, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 57, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 51.612, 327.255 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(133, 57, 133) }
```

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

```
.border{ border-color:rgb(133, 57, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 57, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 57, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 57, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 57,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 51.612, 327.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 57, 133) }
```

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

```
.background{ background-color: rgb(133, 57,  
133) }
```

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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