

Converting Colors

CIELCh(37, 41.826, 343.238)

Have a look what the booklet for
CIELCh(37, 41.826, 343.238)
contains.

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Color

CIELCh(37, 41.759, 343.307)

Conversions

Conversions Part 1

Format	Color
Hex	8A3A6B
RGB	138, 58, 107
RGB Percent	54%, 23%, 42%
CMY	0.4579, 0.7717, 0.5795
CMYK	0.00, 0.58, 0.22, 0.46
HSL	323°, 41%, 39%
HSV	323°, 58%, 54%
XYZ	14.7098, 9.5379, 15.0352
YIQ	87.5060, 31.9510, 32.1990

Conversions

Conversions Part 2

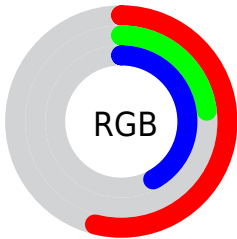
Format	Color
R_{YB}	138, 58, 107
Decimal	9058923
CIE _{Lab}	37.00, 40.00, -12.00
CIE _{LCh}	37, 41.759, 343.307
Yxy	9.5379, 0.3745, 0.2428
Android (android.graphics.Color)	4287249003 (0xFF8A3A6B)
YUV	87.5060, 9.6105, 44.2832
Hunter-Lab	30.8835, 30.9732, -7.2459

Details

The CIELCh color $[37, 41.759, 343.307]$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $[52, 40.935, 152.233]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 41.762, 343.739]$, and $[17, 41.934, 342.931]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 47.331, 344.654]$, and if you desaturate by 10%, it is $[40, 35.254, 342.150]$.

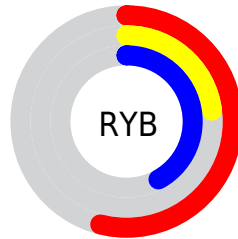
Distribution



Red (54%)

Green (23%)

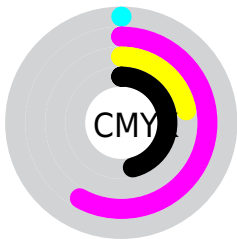
Blue (42%)



Red (54%)

Yellow (23%)

Blue (42%)

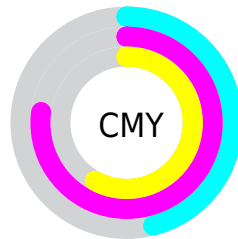


Cyan (0%)

Magenta (58%)

Yellow (22%)

Black (46%)



Cyan (46%)


Magenta (77%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 41.759, 343.307 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, 41.759, 343.307 by changing the saturation by 10% instead.


 37, 41.759,
343.307


 37, 41.759,
343.307

 100, 41.759,
343.307


 27, 41.759,
343.307

 57, 41.759,
343.307


 17, 41.759,
343.307


 67, 41.759,
343.307

 7, 41.759, 343.307

 77, 41.759,
343.307

 0, 41.759, 343.307

 87, 41.759,
343.307

 97, 41.759,
343.307

37, 41.759,
343.307

37, 41.759,
343.307

34, 47.331,
344.654

40, 35.254,
342.150

32, 51.625,
346.263

43, 28.162,
341.130

31, 54.364,
348.229

47, 20.760,
340.213

30, 55.709,
350.583

51, 13.258,
339.373

30, 55.980,
351.088

54, 5.796, 338.580

58, 1.534, 158.101

62, 8.681, 157.290

66, 15.619,
156.659

■ 71, 22.337,
156.077

Harmonies

Complementary

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



37, 41.759, 343.307



52, 40.935, 152.233

Rectangle

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



37, 41.759, 343.307



37, 41.759, 33.307



37, 41.759, 163.307



37, 41.759, 213.307

Sweetspot

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



37, 41.757, 343.308



65, 15.525, 339.331



32, 51.008, 308.497



32, 10.355, 339.467



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, 41.757, 343.308



44, 58.606, 345.041



36, 36.807, 18.012



27, 4.142, 338.681



28, 54.355, 350.964



0, 1.906, 338.060

Inverse Universe

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



37, 41.757, 343.308



44, 58.606, 345.041



53, 26.823, 185.055



27, 4.142, 338.681



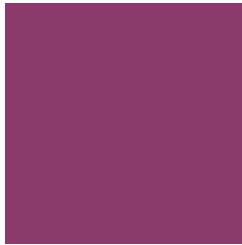
28, 54.355, 350.964



0, 1.906, 338.060

Previews

White Background



This preview shows how the CIELCh color 37, 41.759, 343.307 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 CIE LCh color 37, 41.759, 343.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

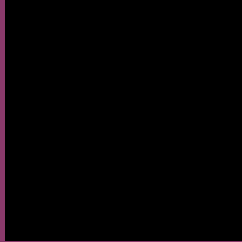
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 41.759, 343.307

Background



This preview shows how black text looks on a background with the CIELCh color 37, 41.759, 343.307.



This preview shows how white text looks on a background with the CIELCh color 37, 41.759, 343.307.

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, 41.759, 343.307

Protanopia

37, 26.066, 285.402

Deuteranopia

37, 10.596, 298.293



Tritanopia
37, 31.414, 20.583

Trichromacy



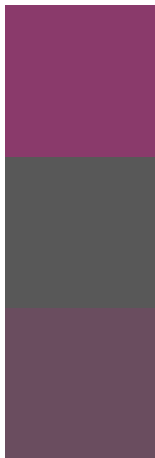
Original Color
37, 41.759, 343.307

Protanomaly
36, 28.489, 310.058

Deuteranomaly
37, 21.826, 327.764

Tritanomaly
37, 33.068, 4.585

Monochromacy



Original Color
37, 41.759, 343.307

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 16.471, 339.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 41.759, 343.307 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(138, 58, 107)` looks like.

```
.text, #text, p{  
    color:rgb(138, 58, 107)  
}
```

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(138, 58, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 58, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 41.759, 343.307 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(138, 58, 107) }
```

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

```
.border{ border-color:rgb(138, 58, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 58, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 58, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 58, 107); box-shadow:4px 4px 4px 4px rgb(138, 58, 107) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 41.759, 343.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 58, 107) }
```

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

```
.background{ background-color: rgb(138, 58,  
107) }
```

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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