

Converting Colors

CIELCh(37, 64.572, 342.922)

Have a look what the booklet for
CIELCh(37, 64.572, 342.922)
contains.

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Color

CIELCh(37, 64.638, 343.014)

Conversions

Conversions Part 1

Format	Color
Hex	A31377
RGB	163, 19, 119
RGB Percent	64%, 7%, 47%
CMY	0.3617, 0.9272, 0.5342
CMYK	0.00, 0.89, 0.27, 0.36
HSL	318°, 80%, 36%
HSV	318°, 89%, 64%
XYZ	18.5960, 9.5379, 18.2454
YIQ	73.4560, 53.7240, 61.6280

Conversions

Conversions Part 2

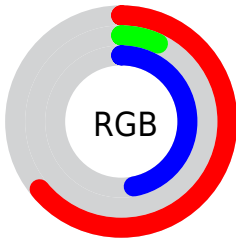
Format	Color
R_{YB}	163, 19, 119
Decimal	10687351
CIE _{Lab}	37.00, 61.82, -18.88
CIE _{LCh}	37, 64.638, 343.014
Yxy	9.5379, 0.4010, 0.2057
Android (android.graphics.Color)	4288877431 (0xFFA31377)
YUV	73.4560, 22.4532, 78.5301
Hunter-Lab	30.8835, 53.4346, -13.4090

Details

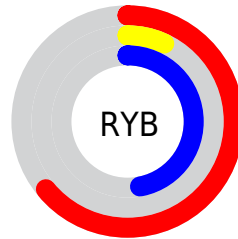
The CIELCh color **37, 64.638, 343.014** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **59, 69.857, 143.623**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 64.389, 343.314**, and **22, 47.723, 346.593** is the 20% darker color. If you saturate the color by 10%, you get **36, 65.754, 344.783**, and if you desaturate by 10%, it is **39, 61.782, 341.517**.

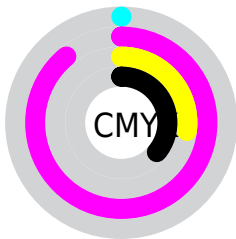
Distribution



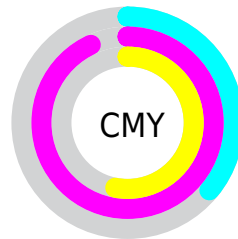
- Red (64%)
- Green (7%)
- Blue (47%)



- Red (64%)
- Yellow (7%)
- Blue (47%)



- Cyan (0%)
- Magenta (89%)
- Yellow (27%)
- Black (36%)





- Cyan (36%)
- Magenta (93%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 64.638, 343.014 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, 64.638, 343.014 by changing the saturation by 10% instead.


 37, 64.638,
343.014

 37, 64.638,
343.014

 100, 64.638,
343.014

 27, 64.638,
343.014

 57, 64.638,
343.014


 17, 64.638,
343.014


 67, 64.638,
343.014

 7, 64.638, 343.014

 77, 64.638,
343.014

 0, 64.638, 343.014

 87, 64.638,
343.014

 97, 64.638,
343.014

■ 37, 64.638,
343.014

■ 37, 64.638,
343.014

■ 36, 65.754,
344.783

■ 39, 61.782,
341.517

■ 36, 65.885,
345.037

■ 41, 57.008,
340.258

■ 44, 50.610,
339.170

■ 47, 43.000,
338.204

■ 51, 34.591,
337.326

■ 55, 25.735,
336.514

■ 59, 16.698,
335.754

■ 63, 7.668, 335.026

Harmonies

Complementary

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



37, 64.638, 343.014



59, 69.857, 143.623

Rectangle

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



37, 64.638, 343.014



37, 64.638, 33.014



37, 64.638, 163.014



37, 64.638, 213.014

Sweetspot

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



37, 64.635, 343.014



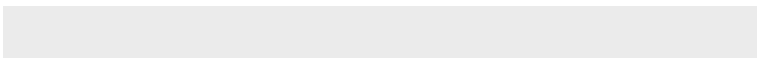
70, 30.095, 336.429



24, 86.471, 308.329



35, 20.435, 336.683



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



37, 64.635, 343.014



47, 79.815, 345.457



35, 60.688, 23.214



32, 5.061, 335.075



32, 60.752, 344.827



1, 7.503, 336.903

Inverse Universe

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



37, 64.635, 343.014



47, 79.815, 345.457



60, 42.218, 173.004



32, 5.061, 335.075



32, 60.752, 344.827



1, 7.503, 336.903

Previews

White Background



This preview shows how the CIELCh color 37, 64.638, 343.014 looks on a white background.

Color Contrast Check

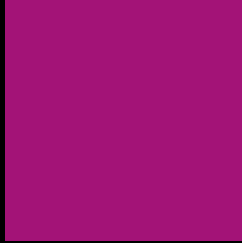
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.638, 343.014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

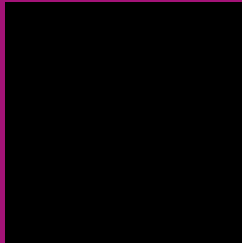
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 64.638, 343.014

Background



This preview shows how black text looks on a background with the CIELCh color 37, 64.638, 343.014.



This preview shows how white text looks on a background with the CIELCh color 37, 64.638, 343.014.

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, 64.638, 343.014

Protanopia

38, 49.342, 286.640

Deuteranopia

38, 14.799, 291.034



Tritanopia
37, 51.110, 27.857

Trichromacy



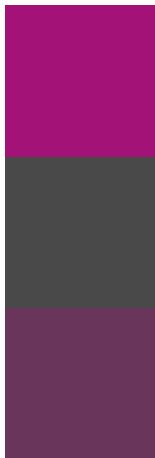
Original Color
37, 64.638, 343.014

Protanomaly
33, 55.335, 306.489

Deuteranomaly
34, 37.273, 326.733

Tritanomaly
37, 52.299, 8.676

Monochromacy



Original Color
37, 64.638, 343.014

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 31.233, 338.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 64.638, 343.014 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(163, 19, 119)` looks like.

```
.text, #text, p{  
    color:rgb(163, 19, 119)  
}
```

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(163, 19, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 19, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 64.638, 343.014 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(163, 19, 119) }
```

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

```
.border{ border-color:rgb(163, 19, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 19, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 19, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 19, 119); box-shadow:4px 4px 4px 4px rgb(163, 19, 119) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 64.638, 343.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 19, 119) }
```

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

```
.background{ background-color: rgb(163, 19,  
119) }
```

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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