

Converting Colors

CIELCh(37, 31.289, 345.556)

Have a look what the booklet for
CIELCh(37, 31.289, 345.556)
contains.

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Color

CIELCh(37, 31.302, 345.424)

Conversions

Conversions Part 1

Format	Color
Hex	7F4364
RGB	127, 67, 100
RGB Percent	50%, 26%, 39%
CMY	0.5002, 0.7356, 0.6062
CMYK	0.00, 0.47, 0.21, 0.50
HSL	327°, 31%, 38%
HSV	327°, 47%, 50%
XYZ	13.1714, 9.5379, 13.3092
YIQ	88.7020, 25.1670, 22.9830

Conversions

Conversions Part 2

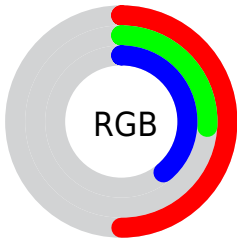
Format	Color
R_{YB}	127, 67, 100
Decimal	8340324
CIE _{Lab}	37.00, 30.29, -7.88
CIE _{LCh}	37, 31.302, 345.424
Yxy	9.5379, 0.3657, 0.2648
Android (android.graphics.Color)	4286530404 (0xFF7F4364)
YUV	88.7020, 5.5699, 33.5873
Hunter-Lab	30.8835, 22.0819, -3.9325

Details

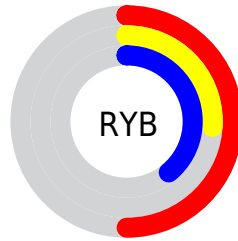
The CIELCh color $37, 31.302, 345.424$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $49, 30.144, 156.560$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 31.158, 345.239$, and $17, 31.403, 345.886$ is the 20% darker color. If you saturate the color by 10%, you get $34, 37.307, 346.731$, and if you desaturate by 10%, it is $40, 24.824, 344.294$.

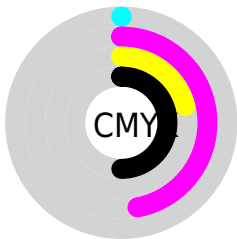
Distribution



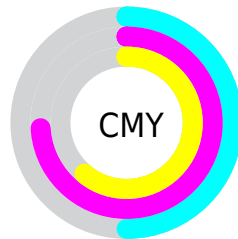
- Red (50%)
- Green (26%)
- Blue (39%)



- Red (50%)
- Yellow (26%)
- Blue (39%)



- Cyan (0%)
- Magenta (47%)
- Yellow (21%)
- Black (50%)





- Cyan (50%)
- Magenta (74%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 31.302, 345.424 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, 31.302, 345.424 by changing the saturation by 10% instead.


 37, 31.302,
345.424


 37, 31.302,
345.424

 100, 31.302,
345.424

 27, 31.302,
345.424

 57, 31.302,
345.424


 17, 31.302,
345.424


 67, 31.302,
345.424

 7, 31.302, 345.424

 77, 31.302,
345.424

 0, 31.302, 345.424

 87, 31.302,
345.424

 97, 31.302,
345.424

37, 31.302,
345.424

37, 31.302,
345.424

34, 37.307,
346.731

40, 24.824,
344.294

32, 42.544,
348.279

44, 18.120,
343.294

30, 46.693,
350.157

47, 11.364,
342.391

28, 49.492,
352.482

51, 4.676, 341.544

27, 51.062,
355.290

54, 1.873, 161.008

27, 51.512,
356.106

58, 8.241, 160.205

62, 14.411,
159.554

66, 20.377,
158.955

■ 70, 26.143,
158.400

Harmonies

Complementary

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



37, 31.302, 345.424



49, 30.144, 156.560

Rectangle

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



37, 31.302, 345.424



37, 31.302, 35.424



37, 31.302, 165.424



37, 31.302, 215.424

Sweetspot

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



37, 31.300, 345.425



62, 11.502, 342.153



34, 38.713, 309.791



31, 8.016, 342.311



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



37, 31.300, 345.425



44, 46.027, 346.907



36, 27.846, 20.545



25, 3.717, 341.713



27, 51.526, 356.108



0, 0.000, 0.000

Inverse Universe

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



37, 31.300, 345.425



44, 46.027, 346.907



49, 20.747, 192.353



25, 3.717, 341.713



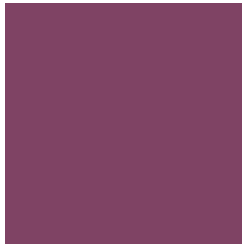
27, 51.526, 356.108



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 37, 31.302, 345.424 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, 31.302, 345.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

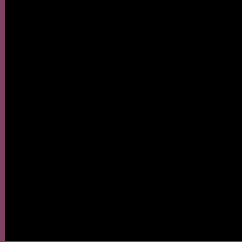
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 31.302, 345.424

Background



This preview shows how black text looks on a background with the CIELCh color 37, 31.302, 345.424.



This preview shows how white text looks on a background with the CIELCh color 37, 31.302, 345.424.

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, 31.302, 345.424

Protanopia

37, 16.741, 285.230

Deuteranopia

37, 7.997, 312.404



Tritanopia
37, 24.218, 16.356

Trichromacy



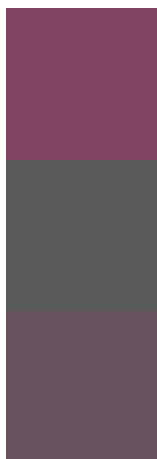
Original Color
37, 31.302, 345.424

Protanomaly
37, 19.376, 314.255

Deuteranomaly
37, 15.946, 334.657

Tritanomaly
37, 26.067, 2.309

Monochromacy



Original Color
37, 31.302, 345.424

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 11.912, 342.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 31.302, 345.424 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(127, 67, 100)` looks like.

```
.text, #text, p{  
    color:rgb(127, 67, 100)  
}
```

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(127, 67, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 67, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 31.302, 345.424 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(127, 67, 100) }
```

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

```
.border{ border-color:rgb(127, 67, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 67, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 67, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 67, 100);  
box-shadow:4px 4px 4px 4px rgb(127, 67,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 31.302, 345.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 67, 100) }
```

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

```
.background{ background-color: rgb(127, 67,  
100) }
```

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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