

Converting Colors

CIELCh(37, 68.827, 318.749)

Have a look what the booklet for
CIELCh(37, 68.827, 318.749)
contains.

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Color

CIELCh(37, 68.931, 318.951)

Conversions

Conversions Part 1

Format	Color
Hex	8231A1
RGB	130, 49, 161
RGB Percent	51%, 19%, 63%
CMY	0.4897, 0.8074, 0.3682
CMYK	0.19, 0.70, 0.00, 0.37
HSL	283°, 53%, 41%
HSV	283°, 70%, 63%
XYZ	16.7692, 9.5379, 34.7269
YIQ	85.9870, 12.3240, 52.0040

Conversions

Conversions Part 2

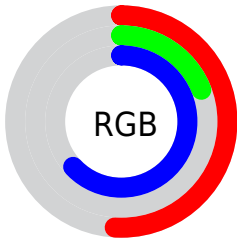
Format	Color
R _Y B	130, 49, 161
Decimal	8532385
CIE Lab	37.00, 51.98, -45.27
CIE LCh	37, 68.931, 318.951
Yxy	9.5379, 0.2748, 0.1563
Android (android.graphics.Color)	4286722465 (0xFF8231A1)
YUV	85.9870, 36.9814, 38.5994
Hunter-Lab	30.8835, 42.8764, -45.0501

Details

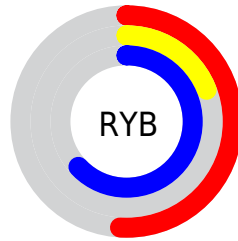
The CIELCh color $37, 68.931, 318.951$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $59, 66.430, 132.987$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 68.609, 319.053$, and $19, 63.903, 317.727$ is the 20% darker color. If you saturate the color by 10%, you get $34, 75.991, 318.938$, and if you desaturate by 10%, it is $40, 60.375, 318.783$.

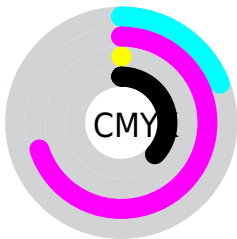
Distribution



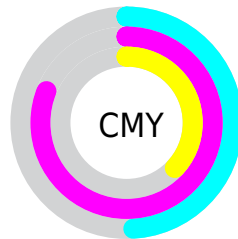
- Red (51%)
- Green (19%)
- Blue (63%)



- Red (51%)
- Yellow (19%)
- Blue (63%)



- Cyan (19%)
- Magenta (70%)
- Yellow (0%)
- Black (37%)





- Cyan (49%)
- Magenta (81%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 68.931, 318.951 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, 68.931, 318.951 by changing the saturation by 10% instead.


 37, 68.931,
318.951


 37, 68.931,
318.951

 100, 68.931,
318.951


 27, 68.931,
318.951

 57, 68.931,
318.951


 17, 68.931,
318.951


 67, 68.931,
318.951

 7, 68.931, 318.951

 77, 68.931,
318.951

 0, 68.931, 318.951

 87, 68.931,
318.951

 97, 68.931,
318.951

37, 68.931,
318.951

37, 68.931,
318.951

34, 75.991,
318.938

40, 60.375,
318.783

32, 81.089,
318.687

44, 50.825,
318.490

30, 84.389,
318.222

48, 40.705,
318.119

30, 84.545,
318.201

53, 30.332,
317.705

57, 19.925,
317.274

62, 9.627, 316.841

67, 0.476, 136.781

71, 10.337,
136.074

■ 76, 19.931,
135.705

Harmonies

Complementary

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



37, 68.931, 318.951



59, 66.430, 132.987

Rectangle

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



37, 68.931, 318.951



37, 68.931, 8.951



37, 68.931, 138.951



37, 68.931, 188.951

Sweetspot

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



37, 68.930, 318.951



72, 26.550, 317.356



36, 49.716, 288.973



36, 17.967, 317.467



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



37, 68.930, 318.951



43, 95.680, 318.845



41, 60.408, 336.000



32, 5.782, 316.830



27, 78.369, 318.278



1, 8.788, 314.695

Inverse Universe

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



39, 48.908, 9.210



46, 68.851, 14.921



59, 61.964, 144.018



32, 3.874, 358.392



30, 57.956, 21.979



1, 5.841, 359.463

Previews

White Background



This preview shows how the CIELCh color 37, 68.931, 318.951 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, 68.931, 318.951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

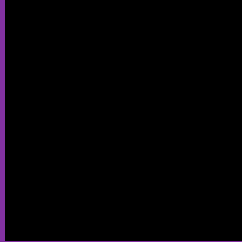
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 68.931, 318.951

Background



This preview shows how black text looks on a background with the CIELCh color 37, 68.931, 318.951.



This preview shows how white text looks on a background with the CIELCh color 37, 68.931, 318.951.

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, 19.049, 13.351

Trichromacy



Original Color
37, 68.931, 318.951



Protanomaly
34, 61.966, 294.615



Deuteranomaly
35, 51.455, 295.913



Tritanomaly
36, 34.299, 333.984

Monochromacy



Original Color
37, 68.931, 318.951



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 27.263, 317.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 68.931, 318.951 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(130, 49, 161)` looks like.

```
.text, #text, p{  
    color:rgb(130, 49, 161)  
}
```

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(130, 49, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 49, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 68.931, 318.951 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(130, 49, 161) }
```

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

```
.border{ border-color:rgb(130, 49, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 49, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 49, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 49, 161);  
box-shadow:4px 4px 4px 4px rgb(130, 49,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 68.931, 318.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 49, 161) }
```

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

```
.background{ background-color: rgb(130, 49,  
161) }
```

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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