

Converting Colors

CIELCh(37, 61.942, 320.361)

Have a look what the booklet for
CIELCh(37, 61.942, 320.361)
contains.

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Color

CIELCh(37, 61.949, 320.183)

Conversions

Conversions Part 1

Format	Color
Hex	813698
RGB	129, 54, 152
RGB Percent	51%, 21%, 60%
CMY	0.4948, 0.7889, 0.4046
CMYK	0.15, 0.65, 0.00, 0.40
HSL	286°, 48%, 40%
HSV	286°, 65%, 60%
XYZ	15.9920, 9.5379, 30.6307
YIQ	87.5970, 13.2420, 46.3780

Conversions

Conversions Part 2

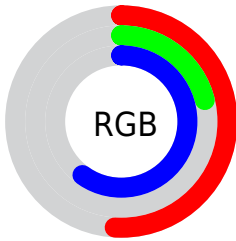
Format	Color
R_{YB}	129, 54, 152
Decimal	8468120
CIE _{Lab}	37.00, 47.58, -39.67
CIE _{LCh}	37, 61.949, 320.183
Yxy	9.5379, 0.2848, 0.1698
Android (android.graphics.Color)	4286658200 (0xFF813698)
YUV	87.5970, 31.7507, 36.3104
Hunter-Lab	30.8835, 38.3838, -37.1862

Details

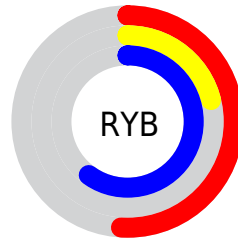
The CIELCh color **37, 61.949, 320.183** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **56, 60.321, 134.237**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 61.835, 320.022**, and **18, 59.504, 319.787** is the 20% darker color. If you saturate the color by 10%, you get **34, 69.317, 320.275**, and if you desaturate by 10%, it is **40, 53.356, 319.948**.

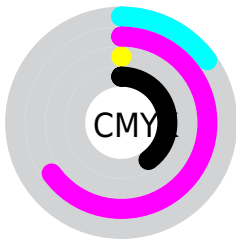
Distribution



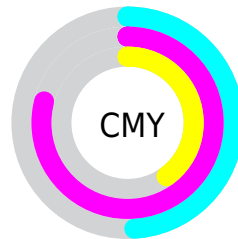
- Red (51%)
- Green (21%)
- Blue (60%)



- Red (51%)
- Yellow (21%)
- Blue (60%)



- Cyan (15%)
- Magenta (65%)
- Yellow (0%)
- Black (40%)





- Cyan (49%)
- Magenta (79%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 61.949, 320.183 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, 61.949, 320.183 by changing the saturation by 10% instead.


 37, 61.949,
320.183


 37, 61.949,
320.183

 100, 61.949,
320.183


 27, 61.949,
320.183

 57, 61.949,
320.183


 17, 61.949,
320.183


 67, 61.949,
320.183

 7, 61.949, 320.183

 77, 61.949,
320.183

 0, 61.949, 320.183

 87, 61.949,
320.183

 97, 61.949,
320.183

37, 61.949,
320.183

37, 61.949,
320.183

34, 69.317,
320.275

40, 53.356,
319.948

32, 75.015,
320.176

44, 43.978,
319.616

30, 78.726,
319.843

48, 34.170,
319.224

29, 80.362,
319.626

52, 24.197,
318.800

56, 14.237,
318.365

61, 4.408, 317.915

65, 5.221, 137.574

70, 14.610,
137.168

■ 74, 23.741,
136.803

Harmonies

Complementary

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



37, 61.949, 320.183



56, 60.321, 134.237

Rectangle

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



37, 61.949, 320.183



37, 61.949, 10.183



37, 61.949, 140.183



37, 61.949, 190.183

Sweetspot

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



37, 61.948, 320.183



69, 23.026, 318.576



35, 45.761, 289.401



35, 16.002, 318.691



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



37, 61.948, 320.183



43, 86.842, 320.261



39, 53.507, 337.077



30, 5.542, 318.132



27, 75.822, 319.680



1, 5.920, 317.367

Inverse Universe

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



38, 43.681, 10.903



45, 62.626, 15.686



56, 54.203, 145.915



30, 3.604, 1.424



29, 57.678, 25.347



1, 3.808, 0.928

Previews

White Background



This preview shows how the CIELCh color 37, 61.949, 320.183 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, 61.949, 320.183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

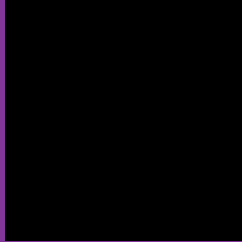
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 61.949, 320.183

Background



This preview shows how black text looks on a background with the CIELCh color 37, 61.949, 320.183.

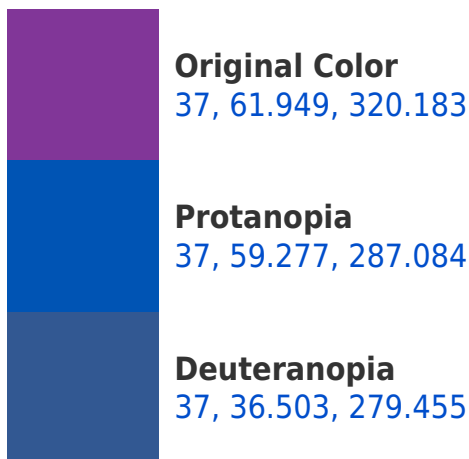


This preview shows how white text looks on a background with the CIELCh color 37, 61.949, 320.183.

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, 20.003, 12.238

Trichromacy



Original Color
37, 61.949, 320.183



Protanomaly
35, 60.135, 293.938



Deuteranomaly
36, 44.629, 298.041



Tritanomaly
37, 32.663, 336.960

Monochromacy



Original Color
37, 61.949, 320.183



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 24.724, 318.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 61.949, 320.183 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(129, 54, 152)` looks like.

```
.text, #text, p{  
    color:rgb(129, 54, 152)  
}
```

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(129, 54, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 54, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 61.949, 320.183 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(129, 54, 152) }
```

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

```
.border{ border-color:rgb(129, 54, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 54, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 54, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 54, 152);  
box-shadow:4px 4px 4px 4px rgb(129, 54,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 61.949, 320.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 54, 152) }
```

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

```
.background{ background-color: rgb(129, 54,  
152) }
```

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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