

Converting Colors

CIELCh(37, 55.863, 320.060)

Have a look what the booklet for
CIELCh(37, 55.863, 320.060)
contains.

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Color

CIELCh(37, 55.984, 319.870)

Conversions

Conversions Part 1

Format	Color
Hex	7D3B92
RGB	125, 59, 146
RGB Percent	49%, 23%, 57%
CMY	0.5103, 0.7691, 0.4279
CMYK	0.14, 0.60, 0.00, 0.43
HSL	286°, 42%, 40%
HSV	286°, 60%, 57%
XYZ	15.1758, 9.5379, 28.1849
YIQ	88.6520, 11.4090, 41.0490

Conversions

Conversions Part 2

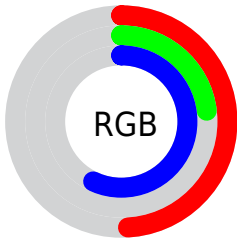
Format	Color
R_{YB}	125, 59, 146
Decimal	8207250
CIE _{Lab}	37.00, 42.80, -36.08
CIE _{LCh}	37, 55.984, 319.870
Yxy	9.5379, 0.2869, 0.1803
Android (android.graphics.Color)	4286397330 (0xFF7D3B92)
YUV	88.6520, 28.2726, 31.8772
Hunter-Lab	30.8835, 33.6665, -32.4906

Details

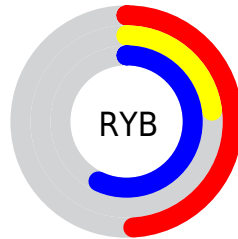
The CIELCh color **37, 55.984, 319.870** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **55, 54.452, 134.340**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 55.687, 320.055**, and **17, 55.936, 319.826** is the 20% darker color. If you saturate the color by 10%, you get **34, 63.800, 320.041**, and if you desaturate by 10%, it is **40, 47.218, 319.581**.

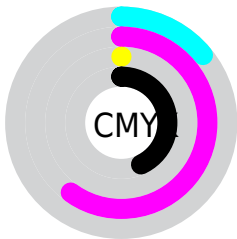
Distribution



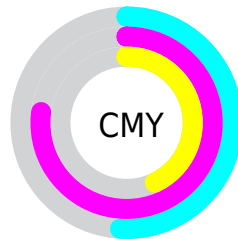
- Red (49%)
- Green (23%)
- Blue (57%)



- Red (49%)
- Yellow (23%)
- Blue (57%)



- Cyan (14%)
- Magenta (60%)
- Yellow (0%)
- Black (43%)





- Cyan (51%)
- Magenta (77%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 55.984, 319.870 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, 55.984, 319.870 by changing the saturation by 10% instead.


 37, 55.984,
319.870


 37, 55.984,
319.870

 100, 55.984,
319.870


 27, 55.984,
319.870

 57, 55.984,
319.870


 17, 55.984,
319.870


 67, 55.984,
319.870

 7, 55.984, 319.870

 77, 55.984,
319.870

 0, 55.984, 319.870

 87, 55.984,
319.870

 97, 55.984,
319.870

37, 55.984,
319.870

37, 55.984,
319.870

34, 63.800,
320.041

40, 47.218,
319.581

31, 70.231,
320.044

44, 37.892,
319.215

29, 74.873,
319.831

48, 28.298,
318.806

28, 78.003,
319.443

52, 18.645,
318.377

28, 78.118,
319.430

56, 9.073, 317.942

61, 0.334, 138.012

65, 9.525, 137.166

69, 18.474,
136.787

■ 74, 27.170,
136.441

Harmonies

Complementary

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



37, 55.984, 319.870



55, 54.452, 134.340

Rectangle

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



37, 55.984, 319.870



37, 55.984, 9.870



37, 55.984, 139.870



37, 55.984, 189.870

Sweetspot

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



37, 55.983, 319.870



67, 21.068, 318.322



36, 40.607, 287.994



34, 14.620, 318.436



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



37, 55.983, 319.870



43, 80.342, 320.065



39, 48.730, 336.626



29, 5.378, 317.924



26, 74.891, 319.471



1, 4.665, 317.556

Inverse Universe

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



37, 39.212, 8.987



44, 57.355, 13.157



54, 49.011, 146.651



29, 3.513, 0.928



28, 56.658, 24.689



1, 3.010, 0.143

Previews

White Background



This preview shows how the CIELCh color 37, 55.984, 319.870 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, 55.984, 319.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

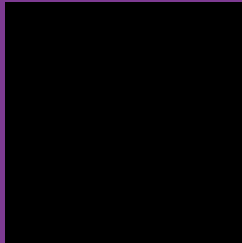
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 55.984, 319.870

Background



This preview shows how black text looks on a background with the CIELCh color 37, 55.984, 319.870.



This preview shows how white text looks on a background with the CIELCh color 37, 55.984, 319.870.

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, 55.984, 319.870

Protanopia

37, 53.096, 286.773

Deuteranopia

37, 33.318, 279.707



Tritanopia
37, 17.660, 12.354

Trichromacy



Original Color
37, 55.984, 319.870

Protanomaly
36, 53.058, 295.813

Deuteranomaly
36, 40.958, 298.533

Tritanomaly
37, 28.897, 336.595

Monochromacy



Original Color
37, 55.984, 319.870

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 21.985, 318.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 55.984, 319.870 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(125, 59, 146)` looks like.

```
.text, #text, p{  
    color:rgb(125, 59, 146)  
}
```

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(125, 59, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 59, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 55.984, 319.870 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(125, 59, 146) }
```

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

```
.border{ border-color:rgb(125, 59, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 59, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 59, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 59, 146);  
box-shadow:4px 4px 4px 4px rgb(125, 59,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 55.984, 319.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 59, 146) }
```

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

```
.background{ background-color: rgb(125, 59,  
146) }
```

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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