

Converting Colors

CIELCh(37, 96.749, 307.252)

Have a look what the booklet for
CIELCh(37, 96.749, 307.252)
contains.

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Color

CIELCh(37, 96.816, 307.226)

Conversions

Conversions Part 1

Format	Color
Hex	5E32D7
RGB	94, 50, 215
RGB Percent	37%, 20%, 84%
CMY	0.6320, 0.8045, 0.1575
CMYK	0.56, 0.77, 0.00, 0.16
HSL	256°, 67%, 52%
HSV	256°, 77%, 84%
XYZ	17.9786, 9.5379, 65.0781
YIQ	81.9660, -26.7410, 60.6430

Conversions

Conversions Part 2

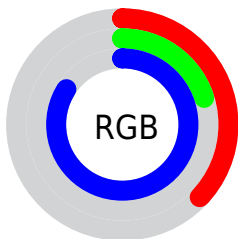
Format	Color
R_{YB}	94, 50, 215
Decimal	6173399
CIE _{Lab}	37.00, 58.57, -77.09
CIE _{LCh}	37, 96.816, 307.226
Yxy	9.5379, 0.1942, 0.1030
Android (android.graphics.Color)	4284363479 (0xFF5E32D7)
YUV	81.9660, 65.5858, 10.5538
Hunter-Lab	30.8835, 49.8663, -103.3180

Details

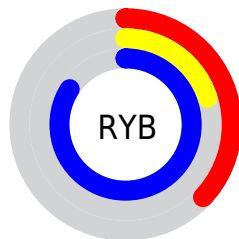
The CIELCh color **37, 96.816, 307.226** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **80, 79.220, 116.945**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 87.166, 307.990**, and **18, 93.870, 306.376** is the 20% darker color. If you saturate the color by 10%, you get **33, 106.737, 307.785**, and if you desaturate by 10%, it is **42, 84.729, 306.351**.

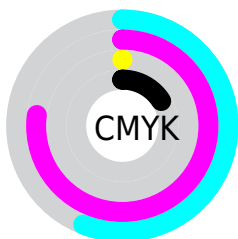
Distribution



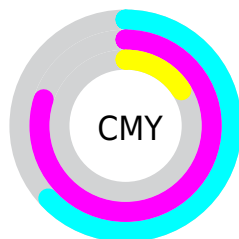
- Red (37%)
- Green (20%)
- Blue (84%)



- Red (37%)
- Yellow (20%)
- Blue (84%)



- Cyan (56%)
- Magenta (77%)
- Yellow (0%)
- Black (16%)





- Cyan (63%)
- Magenta (80%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 96.816, 307.226 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, 96.816, 307.226 by changing the saturation by 10% instead.


 37, 96.816,
307.226


 37, 96.816,
307.226


 100, 96.816,
307.226


 27, 96.816,
307.226

 57, 96.816,
307.226


 17, 96.816,
307.226


 67, 96.816,
307.226

 7, 96.816, 307.226

 77, 96.816,
307.226

 0, 96.816, 307.226

 87, 96.816,
307.226

 97, 96.816,
307.226

37, 96.816,
307.226

37, 96.816,
307.226

33, 106.737,
307.785

42, 84.729,
306.351

30, 113.220,
307.846

48, 71.646,
305.338

29, 114.862,
307.836

55, 58.315,
304.310

61, 45.136,
303.335

68, 32.300,
302.445

75, 19.882,
301.653

81, 7.902, 300.954

88, 3.646, 120.364

■ 95, 14.781,
119.832

Harmonies

Complementary

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



37, 96.816, 307.226



80, 79.220, 116.945

Rectangle

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



37, 96.816, 307.226



37, 96.816, 357.226



37, 96.816, 127.226



37, 96.816, 177.226

Sweetspot

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



37, 96.817, 307.227



82, 31.658, 302.151



66, 36.143, 237.230



41, 22.056, 302.452



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



37, 96.817, 307.227



37, 126.489, 307.885



47, 93.133, 319.781



41, 6.615, 301.129



22, 96.656, 307.966



2, 27.985, 300.669

Inverse Universe

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



51, 77.685, 339.346



58, 93.819, 341.526



77, 90.530, 133.406



42, 6.514, 333.558



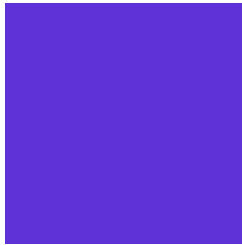
38, 69.975, 342.384



6, 27.099, 339.237

Previews

White Background



This preview shows how the CIELCh color 37, 96.816, 307.226 looks on a white background.

Color Contrast Check

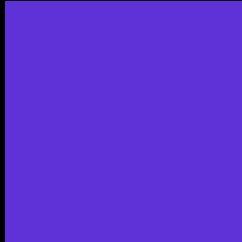
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.816, 307.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

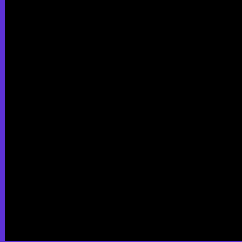
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 96.816, 307.226

Background



This preview shows how black text looks on a background with the CIELCh color 37, 96.816, 307.226.



This preview shows how white text looks on a background with the CIELCh color 37, 96.816, 307.226.

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, 96.816, 307.226

Protanopia

37, 57.573, 286.320

Deuteranopia

37, 40.195, 272.926



Tritanopia
37, 15.281, 216.751

Trichromacy



Original Color
37, 96.816, 307.226



Protanomaly
35, 73.074, 295.622



Deuteranomaly
35, 61.357, 292.089



Tritanomaly
35, 40.465, 292.401

Monochromacy



Original Color
37, 96.816, 307.226



Achromatopsia
35, 0.005, 296.813



Achromatomaly
34, 38.045, 304.071

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 96.816, 307.226 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(94, 50, 215)` looks like.

```
.text, #text, p{  
    color:rgb(94, 50, 215)  
}
```

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(94, 50, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 50, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 96.816, 307.226 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(94, 50, 215) }
```

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

```
.border{ border-color:rgb(94, 50, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 50, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 50, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 50, 215);  
box-shadow:4px 4px 4px 4px rgb(94, 50,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 96.816, 307.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 50, 215) }
```

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

```
.background{ background-color: rgb(94, 50,  
215) }
```

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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