

Converting Colors

CIELCh(37, 103.411, 307.141)

Have a look what the booklet for
CIELCh(37, 103.411, 307.141)
contains.

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Color

CIELCh(37, 103.286, 307.182)

Conversions

Conversions Part 1

Format	Color
Hex	5B2EE0
RGB	91, 46, 224
RGB Percent	36%, 18%, 88%
CMY	0.6436, 0.8201, 0.1220
CMYK	0.59, 0.80, 0.00, 0.12
HSL	255°, 74%, 53%
HSV	255°, 80%, 88%
XYZ	18.7120, 9.5379, 71.2918
YIQ	79.7470, -30.3180, 64.8980

Conversions

Conversions Part 2

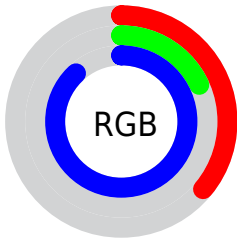
Format	Color
RYB	91, 46, 224
Decimal	5975776
CIELab	37.00, 62.42, -82.29
CIELCh	37, 103.286, 307.182
Yxy	9.5379, 0.1880, 0.0958
Android (android.graphics.Color)	4284165856 (0xFF5B2EE0)
YUV	79.7470, 71.1167, 9.8689
Hunter-Lab	30.8835, 54.1053, -115.2470

Details

The CIELCh color **37, 103.286, 307.182** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **83, 83.375, 116.353**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 88.890, 308.239**, and **19, 97.469, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 112.689, 307.663**, and if you desaturate by 10%, it is **42, 91.216, 306.322**.

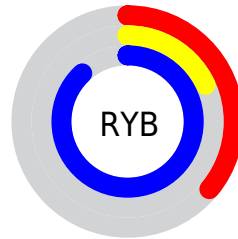
Distribution



Red (36%)

Green (18%)

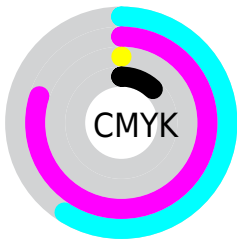
Blue (88%)



Red (36%)

Yellow (18%)

Blue (88%)

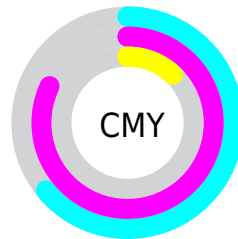


Cyan (59%)

Magenta (80%)

Yellow (0%)

Black (12%)



Cyan (64%)


Magenta (82%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 103.286, 307.182 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, 103.286, 307.182 by changing the saturation by 10% instead.


 37, 103.286,
307.182


 37, 103.286,
307.182


 100, 103.286,
307.182


 27, 103.286,
307.182


 57, 103.286,
307.182


 17, 103.286,
307.182


 67, 103.286,
307.182

 7, 103.286,
307.182

 77, 103.286,
307.182

 0, 103.286,
307.182

 87, 103.286,
307.182

 97, 103.286,
307.182

■ 37, 103.286,
307.182

■ 37, 103.286,
307.182

■ 33, 112.689,
307.663

■ 42, 91.216,
306.322

■ 30, 118.503,
307.664

■ 48, 77.823,
305.280

■ 30, 118.758,
307.666

■ 55, 64.017,
304.200

■ 62, 50.302,
303.165

■ 69, 36.917,
302.217

■ 76, 23.962,
301.371

■ 83, 11.465,
300.627

■ 89, 0.576, 120.041

■ 96, 12.181,
119.426

Harmonies

Complementary

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



37, 103.286, 307.182



83, 83.375, 116.353

Rectangle

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



37, 103.286, 307.182



37, 103.286, 357.182



37, 103.286, 127.182



37, 103.286, 177.182

Sweetspot

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



37, 103.287, 307.183



81, 33.051, 301.754



68, 37.964, 238.234



41, 22.855, 302.063



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, 103.287, 307.183



36, 128.614, 307.686



48, 98.314, 319.745



43, 6.862, 300.623



23, 99.020, 307.793



3, 32.154, 301.964

Inverse Universe

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



53, 82.262, 338.942



57, 94.905, 341.098



79, 95.657, 133.382



44, 6.835, 333.028



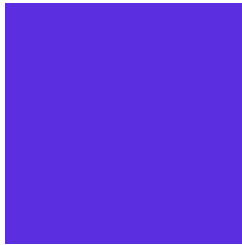
39, 72.170, 341.482



7, 30.293, 338.830

Previews

White Background



This preview shows how the CIELCh color 37, 103.286, 307.182 looks on a white background.

Color Contrast Check

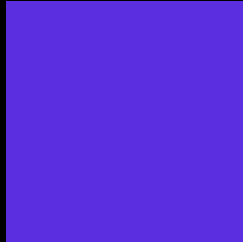
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.286, 307.182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

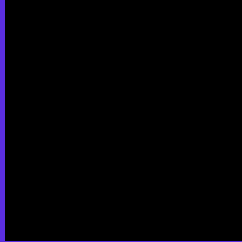
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 103.286, 307.182

Background



This preview shows how black text looks on a background with the CIELCh color 37, 103.286, 307.182.



This preview shows how white text looks on a background with the CIELCh color 37, 103.286, 307.182.

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, 103.286, 307.182

Protanopia

37, 57.005, 286.055

Deuteranopia

37, 40.195, 272.926



Tritanopia
37, 19.200, 212.287

Trichromacy



Original Color
37, 103.286, 307.182

Protanomaly
35, 75.527, 296.396

Deuteranomaly
35, 65.012, 293.449

Tritanomaly
35, 43.705, 289.721

Monochromacy



Original Color
37, 103.286, 307.182

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 40.583, 303.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 103.286, 307.182 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(91, 46, 224)` looks like.

```
.text, #text, p{  
    color:rgb(91, 46, 224)  
}
```

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(91, 46, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 46, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 103.286, 307.182 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(91, 46, 224) }
```

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

```
.border{ border-color:rgb(91, 46, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 46, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 46, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 46, 224);  
box-shadow:4px 4px 4px 4px rgb(91, 46,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 103.286, 307.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 46, 224) }
```

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

```
.background{ background-color: rgb(91, 46,  
224) }
```

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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