

Converting Colors

CIELCh(37, 79.491, 307.290)

Have a look what the booklet for
CIELCh(37, 79.491, 307.290)
contains.

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Color

CIELCh(37, 79.509, 307.359)

Conversions

Conversions Part 1

Format	Color
Hex	633BBF
RGB	99, 59, 191
RGB Percent	39%, 23%, 75%
CMY	0.6118, 0.7687, 0.2511
CMYK	0.48, 0.69, 0.00, 0.25
HSL	258°, 53%, 49%
HSV	258°, 69%, 75%
XYZ	16.1076, 9.5379, 50.2695
YIQ	86.0080, -18.5320, 49.5320

Conversions

Conversions Part 2

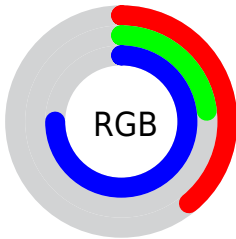
Format	Color
R_{YB}	99, 59, 191
Decimal	6503359
CIE _{Lab}	37.00, 48.25, -63.20
CIE _{LCh}	37, 79.509, 307.359
Yxy	9.5379, 0.2122, 0.1256
Android (android.graphics.Color)	4284693439 (0xFF633BBF)
YUV	86.0080, 51.7611, 11.3940
Hunter-Lab	30.8835, 39.0525, -74.8886

Details

The CIELCh color **37, 79.509, 307.359** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **72, 67.458, 118.560**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 79.464, 307.463**, and **17, 79.252, 307.368** is the 20% darker color. If you saturate the color by 10%, you get **32, 90.046, 308.054**, and if you desaturate by 10%, it is **42, 67.867, 306.493**.

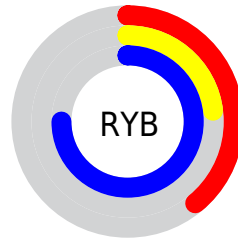
Distribution



Red (39%)

Green (23%)

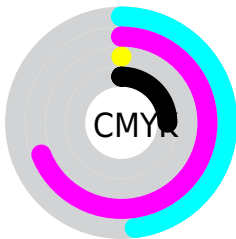
Blue (75%)



Red (39%)

Yellow (23%)

Blue (75%)

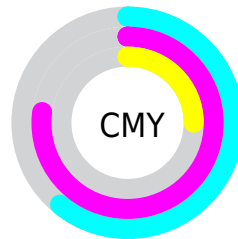


Cyan (48%)

Magenta (69%)

Yellow (0%)

Black (25%)



Cyan (61%)


Magenta (77%)


Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 79.509, 307.359 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, 79.509, 307.359 by changing the saturation by 10% instead.


 37, 79.509,
307.359


 37, 79.509,
307.359

 100, 79.509,
307.359

 27, 79.509,
307.359

 57, 79.509,
307.359


 17, 79.509,
307.359


 67, 79.509,
307.359

 7, 79.509, 307.359

 77, 79.509,
307.359

 0, 79.509, 307.359

 87, 79.509,
307.359

 97, 79.509,
307.359

■ 37, 79.509,
307.359

■ 37, 79.509,
307.359

■ 32, 90.046,
308.054

■ 42, 67.867,
306.493

■ 29, 98.427,
308.405

■ 48, 55.846,
305.577

■ 26, 103.995,
308.344

■ 54, 43.862,
304.686

■ 26, 104.456,
308.345

■ 60, 32.125,
303.858

■ 66, 20.732,
303.110

■ 72, 9.718, 302.445

■ 78, 0.915, 121.920

■ 84, 11.176,
121.365

■ 90, 21.083,
120.924

Harmonies

Complementary

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



37, 79.509, 307.359



72, 67.458, 118.560

Rectangle

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



37, 79.509, 307.359



37, 79.509, 357.359



37, 79.509, 127.359



37, 79.509, 177.359

Sweetspot

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



37, 79.509, 307.360



82, 28.207, 303.269



59, 31.890, 243.125



42, 19.340, 303.475



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



37, 79.509, 307.360



40, 115.070, 308.291



45, 78.735, 321.345



37, 5.984, 302.459



20, 90.670, 308.475



1, 17.670, 299.018

Inverse Universe

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



48, 65.094, 340.315



57, 87.502, 342.376



69, 77.350, 134.748



37, 5.716, 335.010



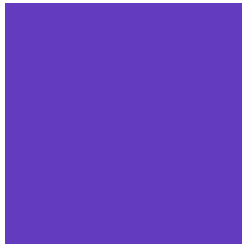
35, 64.600, 344.846



3, 16.039, 339.975

Previews

White Background



This preview shows how the CIELCh color 37, 79.509, 307.359 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, 79.509, 307.359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

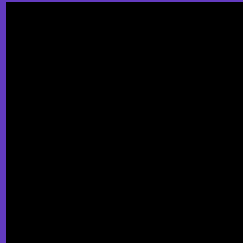
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 79.509, 307.359

Background



This preview shows how black text looks on a background with the CIELCh color 37, 79.509, 307.359.



This preview shows how white text looks on a background with the CIELCh color 37, 79.509, 307.359.

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

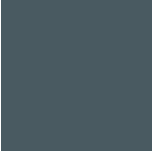
37, 79.509, 307.359

Protanopia

37, 58.141, 286.580

Deuteranopia

37, 41.252, 274.007



Tritanopia
37, 7.801, 232.538

Trichromacy



Original Color
37, 79.509, 307.359



Protanomaly
36, 66.511, 293.714



Deuteranomaly
35, 55.279, 289.593



Tritanomaly
36, 32.341, 296.962

Monochromacy



Original Color
37, 79.509, 307.359



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 30.442, 304.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 79.509, 307.359 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(99, 59, 191)` looks like.

```
.text, #text, p{  
    color:rgb(99, 59, 191)  
}
```

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(99, 59, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 59, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 79.509, 307.359 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(99, 59, 191) }
```

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

```
.border{ border-color:rgb(99, 59, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 59, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 59, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 59, 191);  
box-shadow:4px 4px 4px 4px rgb(99, 59,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 79.509, 307.359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 59, 191) }
```

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

```
.background{ background-color: rgb(99, 59,  
191) }
```

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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