

Converting Colors

CIELCh(37, 60.247, 310.404)

Have a look what the booklet for
CIELCh(37, 60.247, 310.404)
contains.

CIELCh(37, 60.180, 310.385)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 60.180, 310.385)

Conversions

Conversions Part 1

Format	Color
Hex	6C41A2
RGB	108, 65, 162
RGB Percent	42%, 25%, 64%
CMY	0.5772, 0.7458, 0.3655
CMYK	0.33, 0.60, 0.00, 0.37
HSL	267°, 43%, 44%
HSV	267°, 60%, 63%
XYZ	14.5448, 9.5379, 35.1651
YIQ	88.9150, -5.5090, 39.2830

Conversions

Conversions Part 2

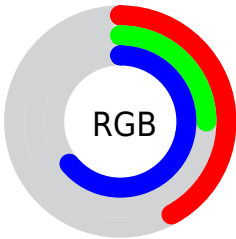
Format	Color
R_{YB}	108, 65, 162
Decimal	7094690
CIE _{Lab}	37.00, 38.99, -45.84
CIE _{LCh}	37, 60.180, 310.385
Yxy	9.5379, 0.2455, 0.1610
Android (android.graphics.Color)	4285284770 (0xFF6C41A2)
YUV	88.9150, 36.0309, 16.7375
Hunter-Lab	30.8835, 30.0197, -45.8913

Details

The CIELCh color **37, 60.180, 310.385** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **62, 54.307, 124.393**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 60.330, 310.413**, and **17, 59.829, 310.454** is the 20% darker color. If you saturate the color by 10%, you get **33, 69.823, 310.863**, and if you desaturate by 10%, it is **42, 49.990, 309.809**.

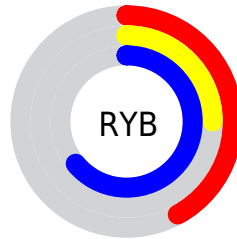
Distribution



Red (42%)

Green (25%)

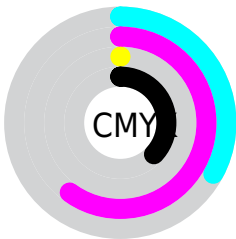
Blue (64%)



Red (42%)

Yellow (25%)

Blue (64%)

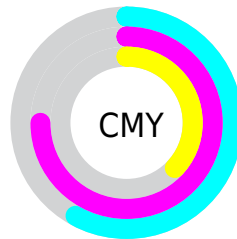


Cyan (33%)

Magenta (60%)

Yellow (0%)

Black (37%)



Cyan (58%)


Magenta (75%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 60.180, 310.385 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, 60.180, 310.385 by changing the saturation by 10% instead.


 37, 60.180,
310.385


 37, 60.180,
310.385

 100, 60.180,
310.385


 27, 60.180,
310.385

 57, 60.180,
310.385


 17, 60.180,
310.385


 67, 60.180,
310.385

 7, 60.180, 310.385

 77, 60.180,
310.385

 0, 60.180, 310.385

 87, 60.180,
310.385

 97, 60.180,
310.385

37, 60.180,
310.385

37, 60.180,
310.385

33, 69.823,
310.863

42, 49.990,
309.809

29, 78.337,
311.146

46, 39.642,
309.202

26, 84.983,
311.110

51, 29.365,
308.604

24, 89.743,
310.796

56, 19.287,
308.039

24, 89.775,
310.794

62, 9.472, 307.516

67, 0.052, 128.676

72, 9.279, 126.650

77, 18.213,
126.277

■ 82, 26.865,
125.953

Harmonies

Complementary

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



37, 60.180, 310.385



62, 54.307, 124.393

Rectangle

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



37, 60.180, 310.385



37, 60.180, 0.385



37, 60.180, 130.385



37, 60.180, 180.385

Sweetspot

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



37, 60.179, 310.385



73, 21.408, 307.952



48, 28.500, 259.566



36, 14.905, 308.101



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



37, 60.179, 310.385



41, 88.167, 310.987



43, 62.261, 325.332



32, 5.426, 307.483



21, 82.902, 310.895



1, 8.272, 305.553

Inverse Universe

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



42, 47.271, 346.905



50, 66.291, 349.233



59, 62.395, 138.162



32, 4.590, 341.387



31, 56.694, 355.967



1, 6.820, 343.412

Previews

White Background



This preview shows how the CIELCh color 37, 60.180, 310.385 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, 60.180, 310.385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

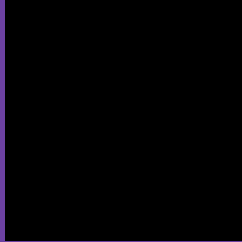
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 60.180, 310.385

Background



This preview shows how black text looks on a background with the CIELCh color 37, 60.180, 310.385.



This preview shows how white text looks on a background with the CIELCh color 37, 60.180, 310.385.

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

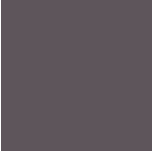
37, 60.180, 310.385

Protanopia

37, 58.709, 286.834

Deuteranopia

37, 43.155, 277.162



Tritanopia
37, 5.337, 336.253

Trichromacy



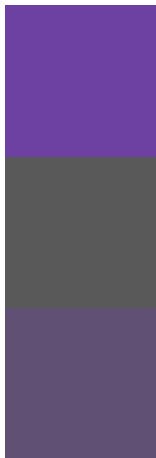
Original Color
37, 60.180, 310.385

Protanomaly
36, 59.371, 291.625

Deuteranomaly
36, 49.028, 288.942

Tritanomaly
37, 25.509, 311.885

Monochromacy



Original Color
37, 60.180, 310.385

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 22.606, 309.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 60.180, 310.385 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(108, 65, 162)` looks like.

```
.text, #text, p{  
    color:rgb(108, 65, 162)  
}
```

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(108, 65, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 65, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 60.180, 310.385 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(108, 65, 162) }
```

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

```
.border{ border-color:rgb(108, 65, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 65, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 65, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 65, 162); box-shadow:4px 4px 4px 4px rgb(108, 65, 162) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 60.180, 310.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 65, 162) }
```

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

```
.background{ background-color: rgb(108, 65,  
162) }
```

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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