

Converting Colors

CIELCh(37, 47.567, 310.579)

Have a look what the booklet for
CIELCh(37, 47.567, 310.579)
contains.

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Color

CIELCh(37, 48.056, 310.836)

Conversions

Conversions Part 1

Format	Color
Hex	6A4692
RGB	106, 70, 146
RGB Percent	42%, 27%, 57%
CMY	0.5840, 0.7252, 0.4271
CMYK	0.27, 0.52, 0.00, 0.43
HSL	268°, 35%, 42%
HSV	268°, 52%, 57%
XYZ	13.3446, 9.5379, 28.3679
YIQ	89.4280, -2.9400, 31.2680

Conversions

Conversions Part 2

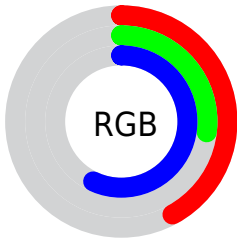
Format	Color
RYB	106, 70, 146
Decimal	6964882
CIELab	37.00, 31.42, -36.36
CIElCh	37, 48.056, 310.836
Yxy	9.5379, 0.2604, 0.1861
Android (android.graphics.Color)	4285154962 (0xFF6A4692)
YUV	89.4280, 27.8900, 14.5336
Hunter-Lab	30.8835, 23.0829, -32.8421

Details

The CIELCh color $37, 48.056, 310.836$ is a dark color, and the websafe version is hex 663399 . A complement of this color would be $56, 44.348, 125.790$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 48.105, 310.894$, and $17, 48.171, 310.723$ is the 20% darker color. If you saturate the color by 10%, you get $33, 57.304, 311.341$, and if you desaturate by 10%, it is $41, 38.572, 310.282$.

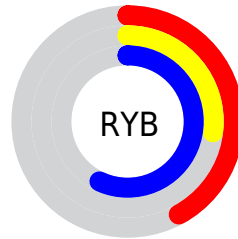
Distribution



Red (42%)

Green (27%)

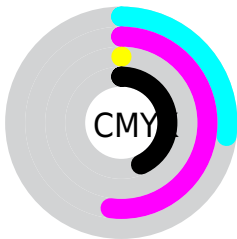
Blue (57%)



Red (42%)

Yellow (27%)

Blue (57%)

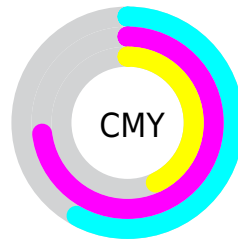


Cyan (27%)

Magenta (52%)

Yellow (0%)

Black (43%)



Cyan (58%)

Magenta (73%)

Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 48.056, 310.836 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, 48.056, 310.836 by changing the saturation by 10% instead.

 37, 48.056,
310.836

 37, 48.056,
310.836

 100, 48.056,
310.836

 27, 48.056,
310.836

 57, 48.056,
310.836

 17, 48.056,
310.836

 67, 48.056,
310.836

 7, 48.056, 310.836

 77, 48.056,
310.836

 0, 48.056, 310.836

 87, 48.056,
310.836

 97, 48.056,
310.836

37, 48.056,
310.836

37, 48.056,
310.836

33, 57.304,
311.341

41, 38.572,
310.282

29, 65.939,
311.730

46, 29.094,
309.723

26, 73.414,
311.907

50, 19.759,
309.185

23, 79.084,
311.760

55, 10.640,
308.682

21, 82.684,
311.526

60, 1.774, 308.184

64, 6.828, 127.835

69, 15.164,
127.463

73, 23.242,
127.138

■ 78, 31.071,
126.854

Harmonies

Complementary

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



37, 48.056, 310.836



56, 44.348, 125.790

Rectangle

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



37, 48.056, 310.836



37, 48.056, 0.836



37, 48.056, 130.836



37, 48.056, 180.836

Sweetspot

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



37, 48.055, 310.836



67, 17.545, 308.893



45, 24.008, 261.229



34, 11.837, 308.984



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, 48.055, 310.836



42, 70.537, 311.397



42, 51.048, 326.060



29, 5.028, 308.546



20, 79.153, 311.586



0, 4.343, 308.143

Inverse Universe

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



41, 37.856, 347.515



48, 54.092, 349.257



54, 51.173, 139.630



29, 4.141, 342.945



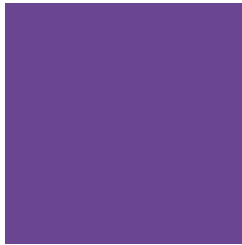
29, 54.034, 358.492



1, 3.585, 342.260

Previews

White Background



This preview shows how the CIELCh color 37, 48.056, 310.836 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, 48.056, 310.836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

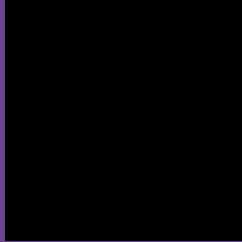
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 48.056, 310.836

Background



This preview shows how black text looks on a background with the CIELCh color 37, 48.056, 310.836.



This preview shows how white text looks on a background with the CIELCh color 37, 48.056, 310.836.

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, 48.056, 310.836

Protanopia
37, 46.418, 286.245

Deuteranopia
37, 34.090, 278.654



Tritanopia
37, 6.332, 344.595

Trichromacy



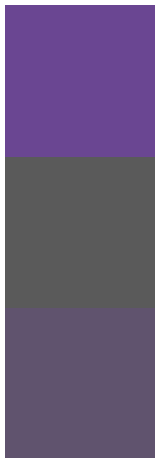
Original Color
37, 48.056, 310.836

Protanomaly
37, 46.218, 293.658

Deuteranomaly
36, 38.342, 292.019

Tritanomaly
37, 20.950, 316.152

Monochromacy



Original Color
37, 48.056, 310.836

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 17.512, 309.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 48.056, 310.836 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(106, 70, 146)` looks like.

```
.text, #text, p{  
    color:rgb(106, 70, 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(106, 70, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 70, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 48.056, 310.836 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(106, 70, 146) }
```

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

```
.border{ border-color:rgb(106, 70, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 70, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 70, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 70, 146);  
box-shadow:4px 4px 4px 4px rgb(106, 70,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 48.056, 310.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 70, 146) }
```

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

```
.background{ background-color: rgb(106, 70,  
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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