

Converting Colors

CIELCh(37, 28.208, 331.811)

Have a look what the booklet for
CIELCh(37, 28.208, 331.811)
contains.

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Color

CIELCh(37, 28.493, 331.375)

Conversions

Conversions Part 1

Format	Color
Hex	74486D
RGB	116, 72, 109
RGB Percent	45%, 28%, 43%
CMY	0.5435, 0.7161, 0.5710
CMYK	0.00, 0.38, 0.06, 0.54
HSL	310°, 23%, 37%
HSV	310°, 38%, 46%
XYZ	12.3808, 9.5379, 15.7690
YIQ	89.3740, 14.3470, 20.8350

Conversions

Conversions Part 2

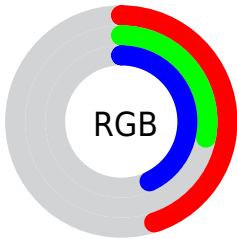
Format	Color
R_{YB}	116, 72, 109
Decimal	7620717
CIE Lab	37.00, 25.01, -13.65
CIE LCh	37, 28.493, 331.375
Yxy	9.5379, 0.3285, 0.2531
Android (android.graphics.Color)	4285810797 (0xFF74486D)
YUV	89.3740, 9.6756, 23.3510
Hunter-Lab	30.8835, 17.5124, -8.6548

Details

The CIELCh color $[37, 28.493, 331.375]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[45, 28.442, 146.333]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 29.001, 331.117]$, and $[17, 28.539, 332.059]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 35.591, 331.993]$, and if you desaturate by 10%, it is $[40, 21.052, 330.764]$.

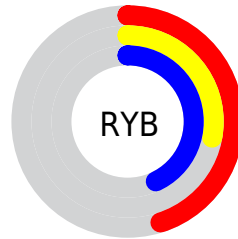
Distribution



Red (45%)

Green (28%)

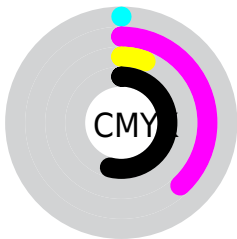
Blue (43%)



Red (45%)

Yellow (28%)

Blue (43%)

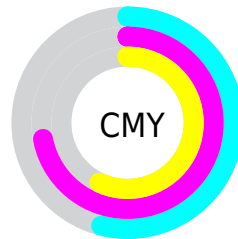


Cyan (0%)

Magenta (38%)

Yellow (6%)

Black (54%)



Cyan (54%)


Magenta (72%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 28.493, 331.375 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, 28.493, 331.375 by changing the saturation by 10% instead.


 37, 28.493,
331.375


 37, 28.493,
331.375

 100, 28.493,
331.375


 27, 28.493,
331.375

 57, 28.493,
331.375


 17, 28.493,
331.375


 67, 28.493,
331.375

 7, 28.493, 331.375

 77, 28.493,
331.375

 0, 28.493, 331.375

 87, 28.493,
331.375

 97, 28.493,
331.375

37, 28.493,
331.375

37, 28.493,
331.375

34, 35.591,
331.993

40, 21.052,
330.764

32, 42.101,
332.616

43, 13.468,
330.160

30, 47.728,
333.247

46, 5.880, 329.557

28, 52.174,
333.892

50, 1.618, 149.150

53, 8.965, 148.503

27, 55.205,
334.567

57, 16.127,
147.971

26, 57.064,
335.273

60, 23.089,
147.469

26, 57.466,
335.424

64, 29.843,
146.994

■ 67, 36.395,
146.544

Harmonies

Complementary

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



37, 28.493, 331.375



45, 28.442, 146.333

Rectangle

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



37, 28.493, 331.375



37, 28.493, 21.375



37, 28.493, 151.375



37, 28.493, 201.375

Sweetspot

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



37, 28.491, 331.375



58, 10.226, 329.768



33, 27.910, 299.518



29, 6.929, 329.830



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



37, 28.491, 331.375



45, 41.435, 331.888



36, 21.154, 356.662



23, 4.262, 329.633



27, 59.530, 335.469



57, 100.272, 335.944

Inverse Universe

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



37, 28.491, 331.375



45, 41.435, 331.888



46, 19.369, 168.932



23, 4.262, 329.633



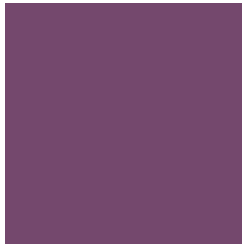
27, 59.530, 335.469



57, 100.272, 335.944

Previews

White Background



This preview shows how the CIELCh color 37, 28.493, 331.375 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, 28.493, 331.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

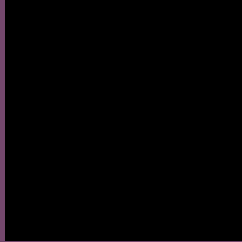
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 28.493, 331.375

Background



This preview shows how black text looks on a background with the CIELCh color 37, 28.493, 331.375.



This preview shows how white text looks on a background with the CIELCh color 37, 28.493, 331.375.

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, 28.493, 331.375

Protanopia

37, 21.095, 285.798

Deuteranopia

37, 12.981, 292.239



Tritanopia
37, 15.835, 10.850

Trichromacy



Original Color
37, 28.493, 331.375

Protanomaly
37, 22.165, 304.221

Deuteranomaly
37, 17.940, 313.266

Tritanomaly
37, 19.165, 349.748

Monochromacy



Original Color
37, 28.493, 331.375

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 10.453, 331.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 28.493, 331.375 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(116, 72, 109)` looks like.

```
.text, #text, p{  
    color:rgb(116, 72, 109)  
}
```

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(116, 72, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 72, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 28.493, 331.375 is called "border". The border property can be set on classes, ids or directly on the HTML element.

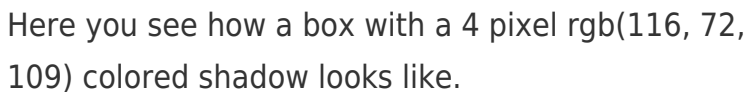
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 72, 109) }
```

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

```
.border{ border-color:rgb(116, 72, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 72, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 72, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 72, 109); box-shadow:4px 4px 4px 4px rgb(116, 72, 109) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 28.493, 331.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 72, 109) }
```

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

```
.background{ background-color: rgb(116, 72,  
109) }
```

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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