

Converting Colors

CIELCh(37, 67.766, 300.831)

Have a look what the booklet for
CIELCh(37, 67.766, 300.831)
contains.

CIELCh(37, 67.761, 300.967)	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, 67.761, 300.967)

Conversions

Conversions Part 1

Format	Color
Hex	4E47B6
RGB	78, 71, 182
RGB Percent	31%, 28%, 71%
CMY	0.6933, 0.7210, 0.2856
CMYK	0.57, 0.61, 0.00, 0.29
HSL	244°, 44%, 50%
HSV	244°, 61%, 71%
XYZ	13.8820, 9.5379, 45.4607
YIQ	85.7470, -31.4590, 36.0050

Conversions

Conversions Part 2

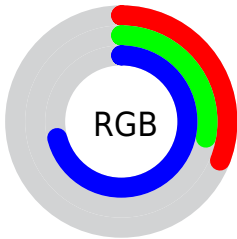
Format	Color
R_{YB}	78, 71, 182
Decimal	5130166
CIE _{Lab}	37.00, 34.87, -58.10
CIE _{LCh}	37, 67.761, 300.967
Yxy	9.5379, 0.2015, 0.1385
Android (android.graphics.Color)	4283320246 (0xFF4E47B6)
YUV	85.7470, 47.4527, -6.7941
Hunter-Lab	30.8835, 26.1887, -65.6567

Details

The CIELCh color $37, 67.761, 300.967$ is a dark color, and the websafe version is hex 333399 . A complement of this color would be $72, 56.753, 107.703$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 67.826, 300.969$, and $17, 67.436, 301.203$ is the 20% darker color. If you saturate the color by 10%, you get $32, 79.663, 302.828$, and if you desaturate by 10%, it is $43, 55.694, 299.154$.

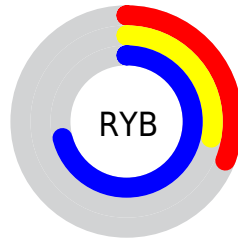
Distribution



Red (31%)

Green (28%)

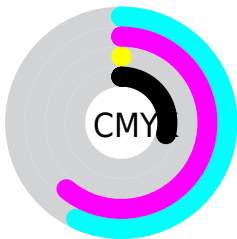
Blue (71%)



Red (31%)

Yellow (28%)

Blue (71%)

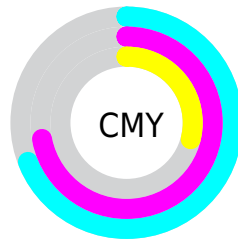


Cyan (57%)

Magenta (61%)

Yellow (0%)

Black (29%)



Cyan (69%)


Magenta (72%)


Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 67.761, 300.967 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, 67.761, 300.967 by changing the saturation by 10% instead.


 37, 67.761,
300.967


 37, 67.761,
300.967

 100, 67.761,
300.967


 27, 67.761,
300.967

 57, 67.761,
300.967


 17, 67.761,
300.967


 67, 67.761,
300.967

 7, 67.761, 300.967

 77, 67.761,
300.967

 0, 67.761, 300.967

 87, 67.761,
300.967

 97, 67.761,
300.967

■ 37, 67.761,
300.967

■ 37, 67.761,
300.967

■ 32, 79.663,
302.828

■ 43, 55.694,
299.154

■ 27, 90.495,
304.525

■ 49, 43.884,
297.496

■ 24, 98.799,
305.769

■ 55, 32.488,
296.033

■ 22, 103.628,
306.479

■ 61, 21.541,
294.768

■ 67, 11.035,
293.685

■ 74, 0.942, 292.795

■ 80, 8.765, 111.960

■ 86, 18.116,
111.287

■ 92, 27.134,
110.708

Harmonies

Complementary

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



37, 67.761, 300.967



72, 56.753, 107.703

Rectangle

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



37, 67.761, 300.967



37, 67.761, 350.967



37, 67.761, 120.967



37, 67.761, 170.967

Sweetspot

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



37, 67.761, 300.968



80, 22.815, 294.465



67, 30.634, 202.826



41, 16.077, 294.800



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



37, 67.761, 300.968



40, 101.622, 303.417



43, 67.532, 313.570



35, 5.731, 293.527



18, 92.157, 306.518



1, 15.400, 292.135

Inverse Universe

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



49, 67.075, 329.476



59, 93.677, 330.047



68, 62.456, 128.140



36, 6.617, 326.691



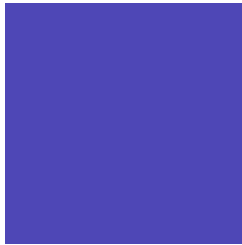
36, 76.059, 330.892



3, 17.647, 327.267

Previews

White Background



This preview shows how the CIELCh color 37, 67.761, 300.967 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, 67.761, 300.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

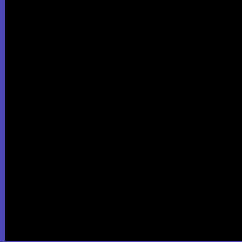
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 67.761, 300.967

Background



This preview shows how black text looks on a background with the CIELCh color 37, 67.761, 300.967.



This preview shows how white text looks on a background with the CIELCh color 37, 67.761, 300.967.

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, 67.761, 300.967

Protanopia

37, 58.141, 286.580

Deuteranopia

37, 41.784, 274.528



Tritanopia
37, 16.788, 214.795

Trichromacy



Original Color
37, 67.761, 300.967

Protanomaly
36, 62.266, 290.903

Deuteranomaly
36, 50.472, 285.115

Tritanomaly
36, 28.669, 277.316

Monochromacy



Original Color
37, 67.761, 300.967

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 24.883, 295.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 67.761, 300.967 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(78, 71, 182)` looks like.

```
.text, #text, p{  
    color:rgb(78, 71, 182)  
}
```

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(78, 71, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 71, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 67.761, 300.967 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(78, 71, 182) }
```

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

```
.border{ border-color:rgb(78, 71, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 71, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 71, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 71, 182);  
box-shadow:4px 4px 4px 4px rgb(78, 71,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 67.761, 300.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 71, 182) }
```

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

```
.background{ background-color: rgb(78, 71,  
182) }
```

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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