

Converting Colors

CIELCh(37, 40.516, 294.542)

Have a look what the booklet for
CIELCh(37, 40.516, 294.542)
contains.

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Color

CIELCh(37, 40.682, 294.604)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 4D5193 |
| RGB | 77, 81, 147 |
| RGB Percent | 30%, 32%, 58% |
| CMY | 0.6986, 0.6829, 0.4241 |
| CMYK | 0.48, 0.45, 0.00, 0.42 |
| HSL | 237°, 31%, 44% |
| HSV | 237°, 48%, 58% |
| XYZ | 11.2351, 9.5379, 28.7897 |
| YIQ | 87.3280, -23.5700, 19.6780 |

Conversions

Conversions Part 2

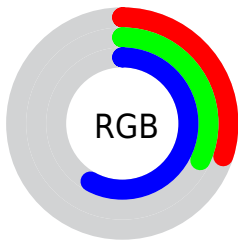
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 77, 81, 147 |
| Decimal | 5067155 |
| CIE Lab | 37.00, 16.94, -36.99 |
| CIE LCh | 37, 40.682, 294.604 |
| Yxy | 9.5379, 0.2267, 0.1924 |
| Android (android.graphics.Color) | 4283257235 (0xFF4D5193) |
| YUV | 87.3280, 29.4183, -9.0577 |
| Hunter-Lab | 30.8835, 10.8904, -33.6518 |

Details

The CIELCh color $37, 40.682, 294.604$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $58, 36.375, 103.067$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 40.532, 294.714$, and $17, 40.603, 294.502$ is the 20% darker color. If you saturate the color by 10%, you get $32, 50.188, 296.714$, and if you desaturate by 10%, it is $42, 31.507, 292.742$.

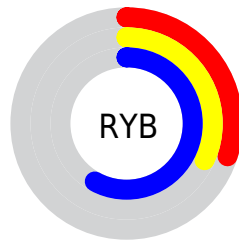
Distribution



Red (30%)

Green (32%)

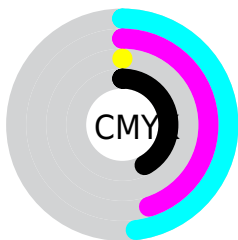
Blue (58%)



Red (30%)

Yellow (32%)

Blue (58%)

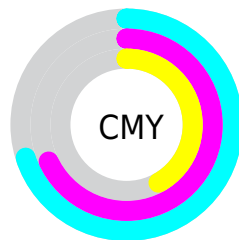


Cyan (48%)

Magenta (45%)

Yellow (0%)

Black (42%)



Cyan (70%)

Magenta (68%)


Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 40.682, 294.604 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, 40.682, 294.604 by changing the saturation by 10% instead.

 37, 40.682,
294.604

 37, 40.682,
294.604

 100, 40.682,
294.604

 27, 40.682,
294.604

 57, 40.682,
294.604


 17, 40.682,
294.604


 67, 40.682,
294.604

 7, 40.682, 294.604

 77, 40.682,
294.604

 0, 40.682, 294.604

 87, 40.682,
294.604

 97, 40.682,
294.604

■ 37, 40.682,
294.604

■ 37, 40.682,
294.604

■ 32, 50.188,
296.714

■ 42, 31.507,
292.742

■ 28, 59.899,
299.014

■ 47, 22.689,
291.131

■ 23, 69.451,
301.363

■ 52, 14.215,
289.751

■ 20, 78.080,
303.517

■ 57, 6.059, 288.579

■ 62, 1.802, 107.521

■ 17, 84.653,
305.132

■ 67, 9.390, 106.689

■ 17, 85.829,
305.381

■ 72, 16.724,
105.950

■ 77, 23.820,
105.309

■ 82, 30.694,
104.752

Harmonies

Complementary

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



37, 40.682, 294.604



58, 36.375, 103.067

Rectangle

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



37, 40.682, 294.604



37, 40.682, 344.604



37, 40.682, 114.604



37, 40.682, 164.604

Sweetspot

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



37, 40.681, 294.605



69, 13.886, 289.333



56, 23.629, 190.659



35, 9.698, 289.576



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



37, 40.681, 294.605



42, 61.594, 296.828



39, 43.970, 309.343



29, 4.503, 288.747



15, 81.694, 305.310



0, 3.879, 287.782

Inverse Universe

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



41, 31.684, 20.226



49, 48.021, 22.564



57, 40.604, 124.461



29, 3.348, 15.247



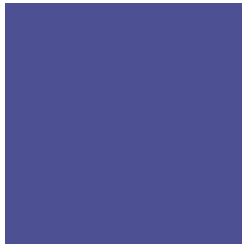
28, 63.281, 36.617



1, 2.841, 14.643

Previews

White Background



This preview shows how the CIE LCh color 37, 40.682, 294.604 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, 40.682, 294.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

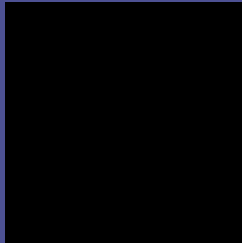
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 40.682, 294.604

Background



This preview shows how black text looks on a background with the CIELCh color 37, 40.682, 294.604.



This preview shows how white text looks on a background with the CIELCh color 37, 40.682, 294.604.

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, 40.682, 294.604

Protanopia

37, 40.899, 286.079

Deuteranopia

37, 36.074, 278.088



Tritanopia
37, 11.484, 220.430

Trichromacy



Original Color
37, 40.682, 294.604

Protanomaly
37, 40.784, 289.218

Deuteranomaly
37, 37.966, 284.560

Tritanomaly
37, 18.353, 270.676

Monochromacy



Original Color
37, 40.682, 294.604

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 14.864, 289.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 40.682, 294.604 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(77, 81, 147)` looks like.

```
.text, #text, p{  
    color:rgb(77, 81, 147)  
}
```

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(77, 81, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 81, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 40.682, 294.604 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(77, 81, 147) }
```

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

```
.border{ border-color:rgb(77, 81, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 81, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 81, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 81, 147);  
box-shadow:4px 4px 4px 4px rgb(77, 81,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 40.682, 294.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 81, 147) }
```

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

```
.background{ background-color: rgb(77, 81,  
147) }
```

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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