

Converting Colors

CIELCh(37, 46.111, 296.595)

Have a look what the booklet for
CIELCh(37, 46.111, 296.595)
contains.

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Color

CIELCh(37, 46.193, 296.653)

Conversions

Conversions Part 1

Format	Color
Hex	4E4F9A
RGB	78, 79, 154
RGB Percent	31%, 31%, 60%
CMY	0.6942, 0.6903, 0.3962
CMYK	0.49, 0.49, 0.00, 0.40
HSL	239°, 33%, 45%
HSV	239°, 49%, 60%
XYZ	11.7629, 9.5379, 31.7781
YIQ	87.2510, -24.6710, 23.1130

Conversions

Conversions Part 2

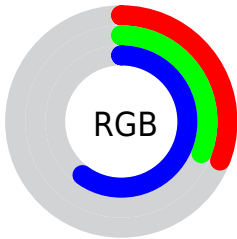
Format	Color
R_{YB}	78, 79, 154
Decimal	5132186
CIE _{Lab}	37.00, 20.72, -41.28
CIE _{LCh}	37, 46.193, 296.653
Yxy	9.5379, 0.2216, 0.1797
Android (android.graphics.Color)	4283322266 (0xFF4E4F9A)
YUV	87.2510, 32.9073, -8.1131
Hunter-Lab	30.8835, 13.9409, -39.3889

Details

The CIELCh color $[37, 46.193, 296.653]$ is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be $[62, 40.589, 105.002]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 46.266, 296.790]$, and $[17, 45.956, 296.511]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 56.620, 298.734]$, and if you desaturate by 10%, it is $[42, 36.080, 294.792]$.

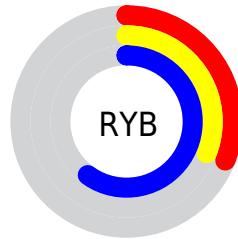
Distribution



Red (31%)

Green (31%)

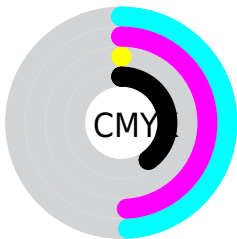
Blue (60%)



Red (31%)

Yellow (31%)

Blue (60%)

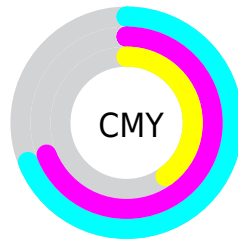


Cyan (49%)

Magenta (49%)

Yellow (0%)

Black (40%)



Cyan (69%)


Magenta (69%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 46.193, 296.653 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, 46.193, 296.653 by changing the saturation by 10% instead.

 37, 46.193,
296.653


 37, 46.193,
296.653

 100, 46.193,
296.653


 27, 46.193,
296.653

 57, 46.193,
296.653


 17, 46.193,
296.653

 67, 46.193,
296.653

 7, 46.193, 296.653

 77, 46.193,
296.653

 0, 46.193, 296.653

 87, 46.193,
296.653

 97, 46.193,
296.653

■ 37, 46.193,
296.653

■ 37, 46.193,
296.653

■ 32, 56.620,
298.734

■ 42, 36.080,
294.792

■ 27, 67.104,
300.941

■ 48, 26.360,
293.172

■ 23, 77.017,
303.078

■ 53, 17.032,
291.785

■ 20, 85.206,
304.845

■ 59, 8.077, 290.606

■ 17, 90.804,
306.019

■ 64, 0.534, 109.485

■ 17, 91.152,
306.089

■ 69, 8.827, 108.727

■ 75, 16.824,
107.996

■ 80, 24.547,
107.366

■ 85, 32.013,
106.823

Harmonies

Complementary

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



37, 46.193, 296.653



62, 40.589, 105.002

Rectangle

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



37, 46.193, 296.653



37, 46.193, 346.653



37, 46.193, 116.653



37, 46.193, 166.653

Sweetspot

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



37, 46.193, 296.654



70, 16.130, 291.281



59, 24.663, 195.518



35, 11.017, 291.515



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



37, 46.193, 296.654



41, 69.428, 298.903



40, 47.573, 310.999



30, 4.851, 290.591



15, 85.076, 306.066



0, 5.161, 289.661

Inverse Universe

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



43, 34.669, 23.833



50, 52.365, 26.269



59, 44.171, 126.233



30, 3.438, 18.829



28, 65.670, 38.529



1, 3.597, 18.326

Previews

White Background



This preview shows how the CIELCh color 37, 46.193, 296.653 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, 46.193, 296.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

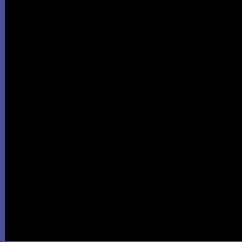
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 46.193, 296.653

Background



This preview shows how black text looks on a background with the CIELCh color 37, 46.193, 296.653.



This preview shows how white text looks on a background with the CIELCh color 37, 46.193, 296.653.

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, 46.193, 296.653

Protanopia

37, 46.467, 286.592

Deuteranopia

37, 40.537, 277.986



Tritanopia
37, 12.086, 219.201

Trichromacy



Original Color
37, 46.193, 296.653

Protanomaly
37, 46.294, 290.002

Deuteranomaly
37, 42.354, 284.166

Tritanomaly
37, 20.631, 274.088

Monochromacy



Original Color
37, 46.193, 296.653

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 16.739, 292.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 46.193, 296.653 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, 79, 154)` looks like.

```
.text, #text, p{  
    color:rgb(78, 79, 154)  
}
```

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, 79, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 79, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 46.193, 296.653 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, 79, 154) }
```

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

```
.border{ border-color:rgb(78, 79, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 79, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 79, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 79, 154);  
box-shadow:4px 4px 4px 4px rgb(78, 79,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 46.193, 296.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 79, 154) }
```

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

```
.background{ background-color: rgb(78, 79,  
154) }
```

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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