

Converting Colors

CIELCh(37, 62.527, 299.516)

Have a look what the booklet for
CIELCh(37, 62.527, 299.516)
contains.

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Color

CIELCh(37, 62.419, 299.425)

Conversions

Conversions Part 1

Format	Color
Hex	4C4AB0
RGB	76, 74, 176
RGB Percent	30%, 29%, 69%
CMY	0.7026, 0.7103, 0.3104
CMYK	0.57, 0.58, 0.00, 0.31
HSL	241°, 41%, 49%
HSV	241°, 58%, 69%
XYZ	13.2282, 9.5379, 42.1369
YIQ	86.2260, -31.5500, 32.1460

Conversions

Conversions Part 2

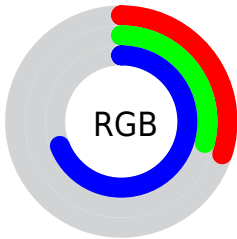
Format	Color
R _Y B	76, 74, 176
Decimal	4999856
CIE Lab	37.00, 30.67, -54.37
CIE LCh	37, 62.419, 299.425
Yxy	9.5379, 0.2038, 0.1470
Android (android.graphics.Color)	4283189936 (0xFF4C4AB0)
YUV	86.2260, 44.2586, -8.9682
Hunter-Lab	30.8835, 22.4097, -59.2756

Details

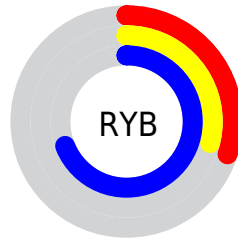
The CIELCh color $37, 62.419, 299.425$ is a dark color, and the websafe version is hex 333399 . A complement of this color would be $70, 52.807, 105.778$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 62.132, 299.365$, and $17, 62.052, 299.655$ is the 20% darker color. If you saturate the color by 10%, you get $32, 74.194, 301.510$, and if you desaturate by 10%, it is $43, 50.685, 297.455$.

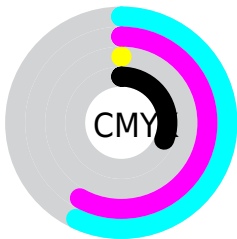
Distribution



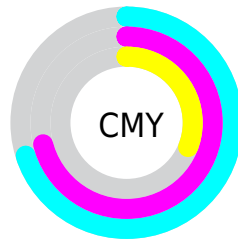
- Red (30%)
- Green (29%)
- Blue (69%)



- Red (30%)
- Yellow (29%)
- Blue (69%)



- Cyan (57%)
- Magenta (58%)
- Yellow (0%)
- Black (31%)





- Cyan (70%)
- Magenta (71%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 62.419, 299.425 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, 62.419, 299.425 by changing the saturation by 10% instead.


 37, 62.419,
299.425


 37, 62.419,
299.425

 100, 62.419,
299.425

 27, 62.419,
299.425

 57, 62.419,
299.425


 17, 62.419,
299.425


 67, 62.419,
299.425

 7, 62.419, 299.425

 77, 62.419,
299.425

 0, 62.419, 299.425

 87, 62.419,
299.425

 97, 62.419,
299.425

37, 62.419,
299.425

37, 62.419,
299.425

32, 74.194,
301.510

43, 50.685,
297.455

27, 85.278,
303.514

49, 39.297,
295.690

23, 94.338,
305.136

55, 28.350,
294.154

21, 100.121,
306.156

61, 17.851,
292.838

21, 101.159,
306.348

67, 7.776, 291.720

73, 1.904, 110.732

79, 11.220,
109.943

85, 20.196,
109.251

■ 91, 28.859,
108.657

Harmonies

Complementary

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



37, 62.419, 299.425



70, 52.807, 105.778

Rectangle

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



37, 62.419, 299.425



37, 62.419, 349.425



37, 62.419, 119.425



37, 62.419, 169.425

Sweetspot

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



37, 62.419, 299.426



78, 20.914, 292.754



66, 29.916, 198.823



40, 14.030, 292.991



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



37, 62.419, 299.426



40, 95.075, 302.181



42, 62.475, 312.459



33, 5.459, 291.855



17, 90.164, 306.360



1, 11.349, 290.798

Inverse Universe

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



48, 64.538, 327.924



59, 91.668, 328.406



66, 57.551, 127.092



34, 6.505, 325.443



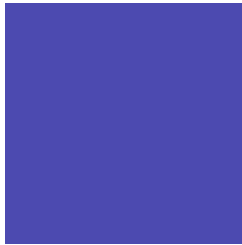
35, 76.810, 329.002



2, 13.590, 325.207

Previews

White Background



This preview shows how the CIELCh color 37, 62.419, 299.425 looks on a white background.

Color Contrast Check

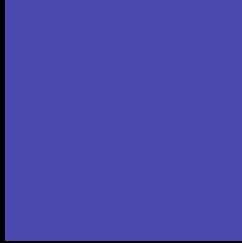
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.419, 299.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

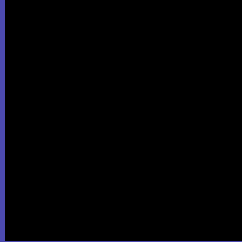
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 62.419, 299.425

Background



This preview shows how black text looks on a background with the CIELCh color 37, 62.419, 299.425.



This preview shows how white text looks on a background with the CIELCh color 37, 62.419, 299.425.

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, 62.419, 299.425

Protanopia

37, 58.141, 286.580

Deuteranopia

37, 41.784, 274.528



Tritanopia
37, 16.490, 212.855

Trichromacy



Original Color
37, 62.419, 299.425

Protanomaly
36, 59.886, 289.874

Deuteranomaly
36, 49.324, 284.512

Tritanomaly
36, 26.506, 273.773

Monochromacy



Original Color
37, 62.419, 299.425

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 22.976, 293.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 62.419, 299.425 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(76, 74, 176)` looks like.

```
.text, #text, p{  
    color:rgb(76, 74, 176)  
}
```

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(76, 74, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 74, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 62.419, 299.425 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(76, 74, 176) }
```

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

```
.border{ border-color:rgb(76, 74, 176) }
```

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

Here you see how a box with a 4 pixel rgb(76, 74, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 74, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 74, 176);  
box-shadow:4px 4px 4px 4px rgb(76, 74,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 62.419, 299.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 74, 176) }
```

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

```
.background{ background-color: rgb(76, 74,  
176) }
```

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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