

Converting Colors

CIELCh(34, 36.614, 296.415)

Have a look what the booklet for
CIELCh(34, 36.614, 296.415)
contains.

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Color

CIELCh(34, 36.328, 296.467)

Conversions

Conversions Part 1

Format	Color
Hex	4B4A84
RGB	75, 74, 132
RGB Percent	29%, 29%, 52%
CMY	0.7069, 0.7108, 0.4834
CMYK	0.43, 0.44, 0.00, 0.48
HSL	241°, 28%, 40%
HSV	241°, 44%, 52%
XYZ	9.4591, 8.0082, 22.7784
YIQ	80.9110, -18.0220, 18.2500

Conversions

Conversions Part 2

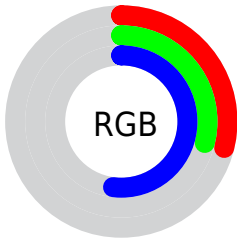
Format	Color
R_{YB}	75, 74, 132
Decimal	4934276
CIE _{Lab}	34.00, 16.19, -32.52
CIE _{LCh}	34, 36.328, 296.467
Yxy	8.0082, 0.2350, 0.1990
Android (android.graphics.Color)	4283124356 (0xFF4B4A84)
YUV	80.9110, 25.1869, -5.1839
Hunter-Lab	28.2988, 10.1424, -27.9148

Details

The CIELCh color $[34, 36.328, 296.467]$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $[54, 32.494, 106.895]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 35.821, 296.428]$, and $[14, 36.655, 296.903]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 45.472, 298.304]$, and if you desaturate by 10%, it is $[39, 27.501, 294.846]$.

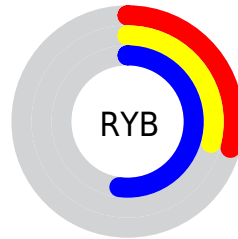
Distribution



Red (29%)

Green (29%)

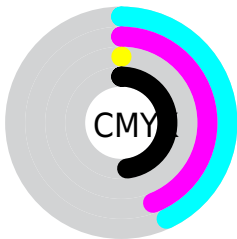
Blue (52%)



Red (29%)

Yellow (29%)

Blue (52%)

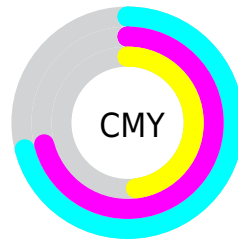


Cyan (43%)

Magenta (44%)

Yellow (0%)

Black (48%)



Cyan (71%)

Magenta (71%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 36.328, 296.467 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 34, 36.328, 296.467 by changing the saturation by 10% instead.


 34, 36.328,
296.467

 34, 36.328,
296.467

 100, 36.328,
296.467


 24, 36.328,
296.467

 54, 36.328,
296.467

 14, 36.328,
296.467

 64, 36.328,
296.467

 4, 36.328, 296.467

 74, 36.328,
296.467

 0, 36.328, 296.467

 84, 36.328,
296.467

 94, 36.328,
296.467

■ 34, 36.328,
296.467

■ 34, 36.328,
296.467

■ 29, 45.472,
298.304

■ 39, 27.501,
294.846

■ 25, 54.804,
300.306

■ 44, 19.022,
293.443

■ 21, 63.970,
302.349

■ 48, 10.882,
292.242

■ 17, 72.225,
304.204

■ 53, 3.059, 291.225

■ 15, 78.462,
305.585

■ 58, 4.469, 110.325

■ 14, 81.851,
306.362

■ 63, 11.724,
109.580

■ 67, 18.725,
108.938

■ 72, 25.490,
108.384

■ 76, 32.033,
107.904

Harmonies

Complementary

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



34, 36.328, 296.467



54, 32.494, 106.895

Rectangle

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



34, 36.328, 296.467



34, 36.328, 346.467



34, 36.328, 116.467



34, 36.328, 166.467

Sweetspot

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



34, 36.327, 296.467



62, 12.472, 292.163



51, 19.476, 199.134



31, 8.829, 292.380



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



34, 36.327, 296.467



39, 55.208, 298.340



37, 37.334, 311.733



25, 4.364, 291.723



13, 81.096, 306.363



0, 1.029, 290.843

Inverse Universe

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



40, 40.093, 327.172



49, 58.549, 327.633



52, 35.195, 127.674



26, 5.212, 325.355



30, 69.230, 328.894



0, 1.241, 324.890

Previews

White Background



This preview shows how the CIE LCh color 34, 36.328, 296.467 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 34, 36.328, 296.467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

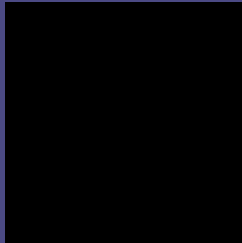
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 36.328, 296.467

Background



This preview shows how black text looks on a background with the CIELCh color 34, 36.328, 296.467.



This preview shows how white text looks on a background with the CIELCh color 34, 36.328, 296.467.

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

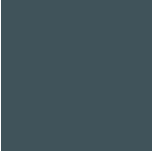
34, 36.328, 296.467

Protanopia

34, 36.512, 285.773

Deuteranopia

34, 32.006, 279.266



Tritanopia
34, 8.482, 229.896

Trichromacy



Original Color
34, 36.328, 296.467

Protanomaly
34, 36.385, 289.521

Deuteranomaly
34, 33.413, 285.353

Tritanomaly
34, 16.116, 277.070

Monochromacy



Original Color
34, 36.328, 296.467

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 13.207, 294.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 36.328, 296.467 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(75, 74, 132)` looks like.

```
.text, #text, p{  
    color:rgb(75, 74, 132)  
}
```

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(75, 74, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 74, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 36.328, 296.467 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(75, 74, 132) }
```

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

```
.border{ border-color:rgb(75, 74, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 74, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 74, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 74, 132);  
box-shadow:4px 4px 4px 4px rgb(75, 74,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 36.328, 296.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 74, 132) }
```

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

```
.background{ background-color: rgb(75, 74,  
132) }
```

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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