

Converting Colors

CIELCh(36, 61.485, 298.396)

Have a look what the booklet for
CIELCh(36, 61.485, 298.396)
contains.

CIELCh(36, 61.448, 298.340)	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(36, 61.448, 298.340)

Conversions

Conversions Part 1

Format	Color
Hex	4649AD
RGB	70, 73, 173
RGB Percent	27%, 29%, 68%
CMY	0.7272, 0.7151, 0.3231
CMYK	0.60, 0.58, 0.00, 0.32
HSL	238°, 43%, 47%
HSV	238°, 60%, 68%
XYZ	12.3587, 9.0082, 40.4193
YIQ	83.5030, -33.8880, 30.4640

Conversions

Conversions Part 2

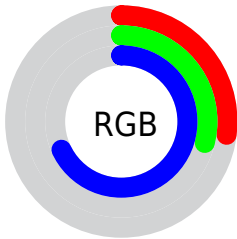
Format	Color
R_{YB}	70, 73, 173
Decimal	4606381
CIE Lab	36.00, 29.17, -54.08
CIE LCh	36, 61.448, 298.340
Yxy	9.0082, 0.2000, 0.1458
Android (android.graphics.Color)	4282796461 (0xFF4649AD)
YUV	83.5030, 44.1220, -11.8421
Hunter-Lab	30.0136, 20.9771, -58.8362

Details

The CIELCh color **36, 61.448, 298.340** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **68, 52.025, 103.269**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 61.103, 298.349**, and **17, 61.558, 299.780** is the 20% darker color. If you saturate the color by 10%, you get **31, 72.792, 300.623**, and if you desaturate by 10%, it is **42, 50.182, 296.194**.

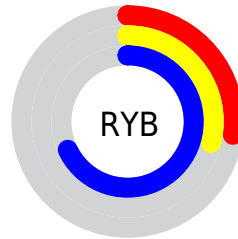
Distribution



 Red (27%)

 Green (29%)

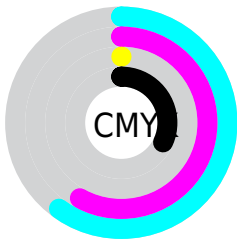
 Blue (68%)




 Red (27%)

 Yellow (29%)

 Blue (68%)

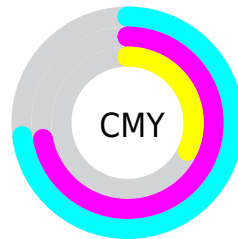


 Cyan (60%)

 Magenta (58%)

 Yellow (0%)

 Black (32%)



 Cyan (73%)


 Magenta (72%)


 Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 61.448, 298.340 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 36, 61.448, 298.340 by changing the saturation by 10% instead.


 36, 61.448,
298.340


 36, 61.448,
298.340

 100, 61.448,
298.340


 26, 61.448,
298.340

 56, 61.448,
298.340


 16, 61.448,
298.340


 66, 61.448,
298.340

 6, 61.448, 298.340

 76, 61.448,
298.340

 0, 61.448, 298.340

 86, 61.448,
298.340

 96, 61.448,
298.340

■ 36, 61.448,
298.340

■ 36, 61.448,
298.340

■ 31, 72.792,
300.623

■ 42, 50.182,
296.194

■ 26, 83.546,
302.842

■ 47, 39.264,
294.275

■ 23, 92.477,
304.695

■ 53, 28.770,
292.609

■ 21, 98.304,
305.866

■ 59, 18.701,
291.182

■ 20, 98.456,
305.895

■ 65, 9.031, 289.970

■ 71, 0.271, 108.677

■ 77, 9.231, 108.040

■ 82, 17.875,
107.289

 88, 26.225,
106.642

Harmonies

Complementary

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



36, 61.448, 298.340



68, 52.025, 103.269

Rectangle

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



36, 61.448, 298.340



36, 61.448, 348.340



36, 61.448, 118.340



36, 61.448, 168.340

Sweetspot

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



36, 61.448, 298.341



76, 21.102, 291.003



65, 31.058, 193.292



38, 14.727, 291.375



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



36, 61.448, 298.341



39, 93.375, 301.438



40, 63.209, 311.065



34, 5.290, 289.927



17, 88.765, 305.824



1, 11.068, 289.188

Inverse Universe

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



44, 46.895, 25.113



52, 71.134, 29.277



65, 57.366, 125.263



34, 3.818, 17.476



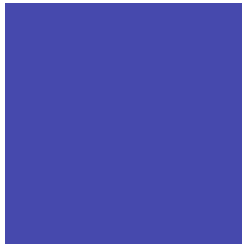
31, 68.889, 38.241



2, 7.810, 17.366

Previews

White Background



This preview shows how the CIELCh color 36, 61.448, 298.340 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 36, 61.448, 298.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

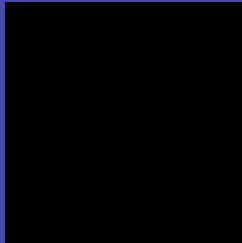
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 61.448, 298.340

Background



This preview shows how black text looks on a background with the CIELCh color 36, 61.448, 298.340.



This preview shows how white text looks on a background with the CIELCh color 36, 61.448, 298.340.

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


36, 61.448, 298.340

Protanopia

36, 57.215, 286.810

Deuteranopia

36, 41.288, 274.995



Tritanopia
36, 18.306, 213.193

Trichromacy



Original Color
36, 61.448, 298.340

Protanomaly
35, 58.930, 289.702

Deuteranomaly
35, 48.336, 284.134

Tritanomaly
35, 27.036, 271.013

Monochromacy



Original Color
36, 61.448, 298.340

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 23.114, 293.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 61.448, 298.340 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(70, 73, 173)` looks like.

```
.text, #text, p{  
    color:rgb(70, 73, 173)  
}
```

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(70, 73, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 73, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 61.448, 298.340 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(70, 73, 173) }
```

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

```
.border{ border-color:rgb(70, 73, 173) }
```

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

Here you see how a box with a 4 pixel rgb(70, 73, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 73, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 73, 173);  
box-shadow:4px 4px 4px 4px rgb(70, 73,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 61.448, 298.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 73, 173) }
```

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

```
.background{ background-color: rgb(70, 73,  
173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor