

Converting Colors

CIELCh(36, 86.239, 302.195)

Have a look what the booklet for
CIELCh(36, 86.239, 302.195)
contains.

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Color

CIELCh(36, 86.367, 302.159)

Conversions

Conversions Part 1

Format	Color
Hex	423ECD
RGB	66, 62, 205
RGB Percent	26%, 24%, 80%
CMY	0.7412, 0.7569, 0.1961
CMYK	0.68, 0.70, 0.00, 0.20
HSL	242°, 59%, 52%
HSV	242°, 70%, 80%
XYZ	14.9845, 9.0082, 58.6953
YIQ	79.4980, -43.5190, 45.3210

Conversions

Conversions Part 2

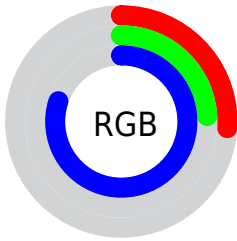
Format	Color
R_{YB}	66, 62, 205
Decimal	4341453
CIE _{Lab}	36.00, 45.97, -73.12
CIE _{LCh}	36, 86.367, 302.159
Yxy	9.0082, 0.1812, 0.1089
Android (android.graphics.Color)	4282531533 (0xFF423ECD)
YUV	79.4980, 61.8725, -11.8377
Hunter-Lab	30.0136, 36.5938, -94.9394

Details

The CIELCh color **36, 86.367, 302.159** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **80, 69.312, 105.381**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 81.972, 302.119**, and **18, 83.735, 304.380** is the 20% darker color. If you saturate the color by 10%, you get **31, 98.487, 304.072**, and if you desaturate by 10%, it is **42, 73.140, 300.098**.

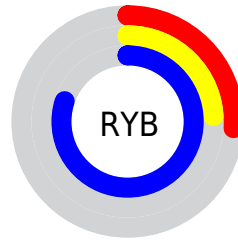
Distribution



Red (26%)

Green (24%)

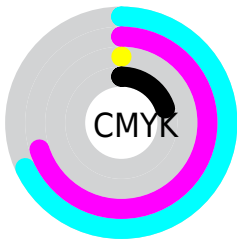
Blue (80%)



Red (26%)

Yellow (24%)

Blue (80%)

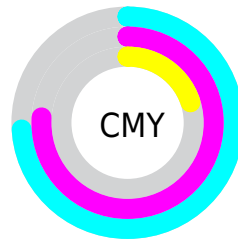


Cyan (68%)

Magenta (70%)

Yellow (0%)

Black (20%)



Cyan (74%)


Magenta (76%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 86.367, 302.159 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, 86.367, 302.159 by changing the saturation by 10% instead.


 36, 86.367,
302.159


 36, 86.367,
302.159

 100, 86.367,
302.159


 26, 86.367,
302.159

 56, 86.367,
302.159


 16, 86.367,
302.159


 66, 86.367,
302.159

 6, 86.367, 302.159

 76, 86.367,
302.159

 0, 86.367, 302.159

 86, 86.367,
302.159

 96, 86.367,
302.159

■ 36, 86.367,
302.159

■ 36, 86.367,
302.159

■ 31, 98.487,
304.072

■ 42, 73.140,
300.098

■ 27, 107.821,
305.513

■ 48, 59.806,
298.110

■ 25, 113.260,
306.341

■ 55, 46.809,
296.311

■ 25, 113.376,
306.360

■ 62, 34.301,
294.739

■ 69, 22.304,
293.389

■ 76, 10.798,
292.241

■ 83, 0.249, 111.039

■ 89, 10.873,
110.422

■ 96, 21.104,
109.716

Harmonies

Complementary

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



36, 86.367, 302.159



80, 69.312, 105.381

Rectangle

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



36, 86.367, 302.159



36, 86.367, 352.159



36, 86.367, 122.159



36, 86.367, 172.159

Sweetspot

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



36, 86.368, 302.160



83, 28.385, 293.579



75, 37.488, 198.714



42, 19.324, 293.944



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



36, 86.368, 302.160



37, 122.498, 304.917



43, 84.084, 312.890



39, 6.246, 292.203



19, 96.780, 306.381



1, 23.549, 293.170

Inverse Universe

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



53, 83.160, 328.669



61, 108.762, 329.107



75, 76.061, 126.881



40, 7.396, 325.692



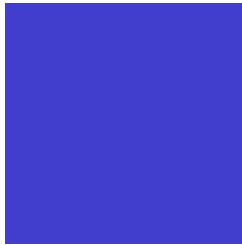
39, 81.911, 329.367



5, 28.400, 328.408

Previews

White Background



This preview shows how the CIELCh color 36, 86.367, 302.159 looks on a white background.

Color Contrast Check

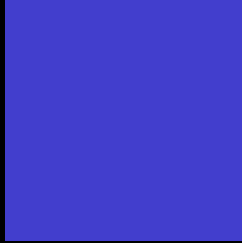
Large Text (above 18pt) WCAG AA ✓ Pass

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 36, 86.367, 302.159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

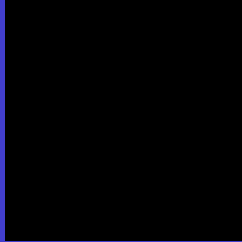
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 86.367, 302.159

Background



This preview shows how black text looks on a background with the CIELCh color 36, 86.367, 302.159.



This preview shows how white text looks on a background with the CIELCh color 36, 86.367, 302.159.

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, 86.367, 302.159

Protanopia

36, 56.072, 286.279

Deuteranopia

36, 39.150, 272.471



Tritanopia
36, 23.416, 205.874

Trichromacy



Original Color
36, 86.367, 302.159

Protanomaly
35, 67.339, 293.129

Deuteranomaly
35, 56.052, 288.495

Tritanomaly
34, 36.475, 274.621

Monochromacy



Original Color
36, 86.367, 302.159

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 32.719, 296.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 86.367, 302.159 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(66, 62, 205)` looks like.

```
.text, #text, p{  
    color:rgb(66, 62, 205)  
}
```

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(66, 62, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 62, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 86.367, 302.159 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(66, 62, 205) }
```

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

```
.border{ border-color:rgb(66, 62, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 62, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 62, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 62, 205);  
box-shadow:4px 4px 4px 4px rgb(66, 62,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 86.367, 302.159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 62, 205) }
```

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

```
.background{ background-color: rgb(66, 62,  
205) }
```

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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