

Converting Colors

CIELCh(36, 81.740, 300.405)

Have a look what the booklet for
CIELCh(36, 81.740, 300.405)
contains.

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Color

CIELCh(36, 81.424, 300.338)

Conversions

Conversions Part 1

Format	Color
Hex	3B42C8
RGB	59, 66, 200
RGB Percent	23%, 26%, 78%
CMY	0.7683, 0.7410, 0.2154
CMYK	0.70, 0.67, 0.00, 0.22
HSL	237°, 56%, 51%
HSV	237°, 70%, 78%
XYZ	14.1928, 9.0082, 55.6739
YIQ	79.1830, -47.1860, 40.1900

Conversions

Conversions Part 2

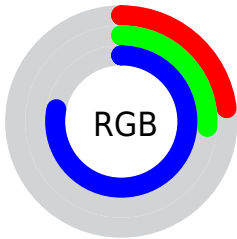
Format	Color
R_{YB}	59, 66, 200
Decimal	3883720
CIE _{Lab}	36.00, 41.13, -70.27
CIE _{LCh}	36, 81.424, 300.338
Yxy	9.0082, 0.1799, 0.1142
Android (android.graphics.Color)	4282073800 (0xFF3B42C8)
YUV	79.1830, 59.5628, -17.7005
Hunter-Lab	30.0136, 31.8853, -88.9709

Details

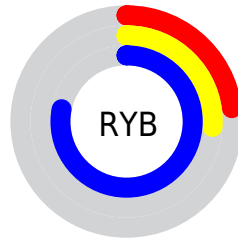
The CIELCh color **36, 81.424, 300.338** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **77, 65.913, 101.340**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 79.588, 300.251**, and **18, 79.398, 303.411** is the 20% darker color. If you saturate the color by 10%, you get **31, 93.339, 302.648**, and if you desaturate by 10%, it is **42, 68.854, 297.964**.

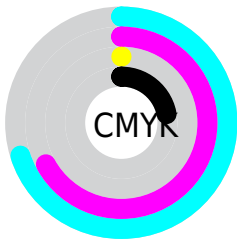
Distribution



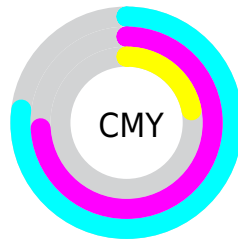
- Red (23%)
- Green (26%)
- Blue (78%)



- Red (23%)
- Yellow (26%)
- Blue (78%)



- Cyan (70%)
- Magenta (67%)
- Yellow (0%)
- Black (22%)





- Cyan (77%)
- Magenta (74%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 81.424, 300.338 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, 81.424, 300.338 by changing the saturation by 10% instead.


 36, 81.424,
300.338


 36, 81.424,
300.338

 100, 81.424,
300.338


 26, 81.424,
300.338

 56, 81.424,
300.338


 16, 81.424,
300.338


 66, 81.424,
300.338

 6, 81.424, 300.338

 76, 81.424,
300.338

 0, 81.424, 300.338

 86, 81.424,
300.338

 96, 81.424,
300.338

■ 36, 81.424,
300.338

■ 36, 81.424,
300.338

■ 31, 93.339,
302.648

■ 42, 68.854,
297.964

■ 27, 103.225,
304.580

■ 48, 56.372,
295.730

■ 25, 109.314,
305.750

■ 54, 44.279,
293.733

■ 61, 32.657,
292.000

■ 67, 21.503,
290.518

■ 74, 10.788,
289.259

■ 80, 0.478, 288.354

■ 87, 9.458, 107.254

■ 93, 19.047,
106.475

Harmonies

Complementary

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



36, 81.424, 300.338



77, 65.913, 101.340

Rectangle

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



36, 81.424, 300.338



36, 81.424, 350.338



36, 81.424, 120.338



36, 81.424, 170.338

Sweetspot

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



36, 81.425, 300.339



83, 26.915, 290.633



74, 38.787, 190.840



42, 18.318, 291.030



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, 81.425, 300.339



38, 119.311, 303.828



40, 83.430, 311.104



38, 5.808, 289.135



19, 93.466, 305.599



1, 20.759, 290.480

Inverse Universe

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



47, 62.734, 27.247



55, 91.578, 33.349



74, 73.765, 124.503



39, 4.282, 15.927



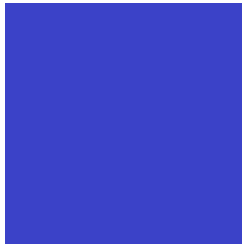
34, 72.683, 37.749



3, 15.910, 16.845

Previews

White Background



This preview shows how the CIE LCh color 36, 81.424, 300.338 looks on a white background.

Color Contrast Check

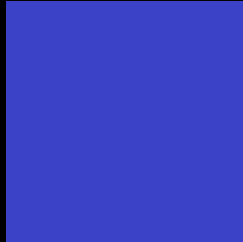
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.424, 300.338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

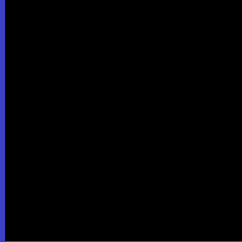
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 81.424, 300.338

Background



This preview shows how black text looks on a background with the CIELCh color 36, 81.424, 300.338.



This preview shows how white text looks on a background with the CIELCh color 36, 81.424, 300.338.

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, 81.424, 300.338

Protanopia

36, 56.643, 286.547

Deuteranopia

36, 39.150, 272.471



Tritanopia
36, 23.416, 205.874

Trichromacy



Original Color
36, 81.424, 300.338

Protanomaly
35, 65.475, 291.999

Deuteranomaly
35, 54.286, 287.218

Tritanomaly
35, 34.442, 270.856

Monochromacy



Original Color
36, 81.424, 300.338

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 30.809, 294.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 81.424, 300.338 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(59, 66, 200)` looks like.

```
.text, #text, p{  
    color:rgb(59, 66, 200)  
}
```

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(59, 66, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 66, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 81.424, 300.338 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(59, 66, 200) }
```

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

```
.border{ border-color:rgb(59, 66, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 66, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 66, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 66, 200);  
box-shadow:4px 4px 4px 4px rgb(59, 66,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 81.424, 300.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 66, 200) }
```

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

```
.background{ background-color: rgb(59, 66,  
200) }
```

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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