

Converting Colors

CIELCh(36, 77.600, 302.392)

Have a look what the booklet for
CIELCh(36, 77.600, 302.392)
contains.

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Color

CIELCh(36, 77.829, 302.493)

Conversions

Conversions Part 1

Format	Color
Hex	4B40C0
RGB	75, 64, 192
RGB Percent	29%, 25%, 75%
CMY	0.7049, 0.7483, 0.2462
CMYK	0.61, 0.67, 0.00, 0.25
HSL	245°, 50%, 50%
HSV	245°, 67%, 75%
XYZ	14.3026, 9.0082, 50.9788
YIQ	81.8810, -34.5320, 42.1400

Conversions

Conversions Part 2

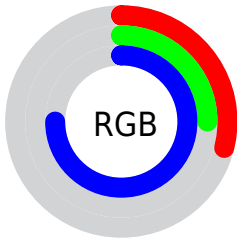
Format	Color
R_{YB}	75, 64, 192
Decimal	4931776
CIE _{Lab}	36.00, 41.81, -65.65
CIE _{LCh}	36, 77.829, 302.493
Yxy	9.0082, 0.1925, 0.1213
Android (android.graphics.Color)	4283121856 (0xFF4B40C0)
YUV	81.8810, 54.2887, -6.0346
Hunter-Lab	30.0136, 32.5383, -79.6959

Details

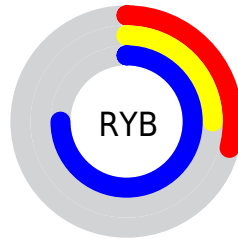
The CIELCh color **36, 77.829, 302.493** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **75, 63.760, 108.493**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 77.530, 302.402**, and **17, 76.784, 303.640** is the 20% darker color. If you saturate the color by 10%, you get **31, 89.686, 304.179**, and if you desaturate by 10%, it is **42, 65.301, 300.739**.

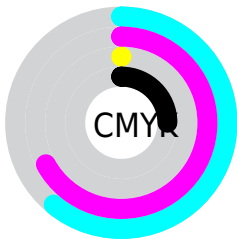
Distribution



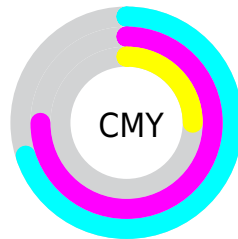
- Red (29%)
- Green (25%)
- Blue (75%)



- Red (29%)
- Yellow (25%)
- Blue (75%)



- Cyan (61%)
- Magenta (67%)
- Yellow (0%)
- Black (25%)



- Cyan (70%)
- Magenta (75%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 77.829, 302.493 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, 77.829, 302.493 by changing the saturation by 10% instead.

 36, 77.829,
302.493


 36, 77.829,
302.493

 100, 77.829,
302.493

 26, 77.829,
302.493

 56, 77.829,
302.493

 16, 77.829,
302.493


 66, 77.829,
302.493

 6, 77.829, 302.493

 76, 77.829,
302.493

 0, 77.829, 302.493

 86, 77.829,
302.493

 96, 77.829,
302.493

■ 36, 77.829,
302.493

■ 36, 77.829,
302.493

■ 31, 89.686,
304.179

■ 42, 65.301,
300.739

■ 27, 99.590,
305.539

■ 48, 52.808,
299.073

■ 24, 106.013,
306.316

■ 54, 40.655,
297.571

■ 23, 107.726,
306.549

■ 61, 28.950,
296.255

■ 67, 17.708,
295.119

■ 74, 6.913, 294.147

■ 80, 3.462, 113.301

■ 86, 13.448,
112.596

■ 93, 23.070,
111.987

Harmonies

Complementary

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



36, 77.829, 302.493



75, 63.760, 108.493

Rectangle

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



36, 77.829, 302.493



36, 77.829, 352.493



36, 77.829, 122.493



36, 77.829, 172.493

Sweetspot

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



36, 77.829, 302.494



82, 26.584, 295.520



68, 32.536, 207.504



42, 18.238, 295.842



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



36, 77.829, 302.494



39, 115.292, 304.872



43, 76.560, 314.718



37, 5.999, 294.400



19, 94.245, 306.599



1, 19.514, 293.474

Inverse Universe

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



50, 73.633, 330.555



60, 100.710, 331.230



71, 70.988, 129.094



38, 6.811, 327.374



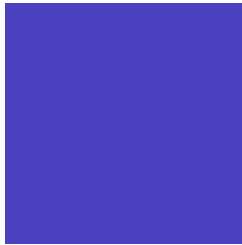
37, 76.495, 331.960



4, 22.341, 329.421

Previews

White Background



This preview shows how the CIELCh color 36, 77.829, 302.493 looks on a white background.

Color Contrast Check

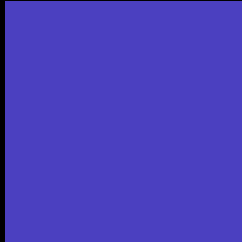
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.829, 302.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

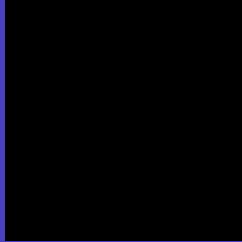
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 77.829, 302.493

Background



This preview shows how black text looks on a background with the CIELCh color 36, 77.829, 302.493.



This preview shows how white text looks on a background with the CIELCh color 36, 77.829, 302.493.

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, 77.829, 302.493

Protanopia

36, 56.643, 286.547

Deuteranopia

36, 39.677, 273.041



Tritanopia
36, 20.021, 209.711

Trichromacy



Original Color
36, 77.829, 302.493

Protanomaly
35, 64.344, 292.305

Deuteranomaly
35, 53.040, 287.276

Tritanomaly
35, 32.736, 277.115

Monochromacy



Original Color
36, 77.829, 302.493

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 28.864, 297.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 77.829, 302.493 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, 64, 192)` looks like.

```
.text, #text, p{  
    color:rgb(75, 64, 192)  
}
```

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, 64, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 64, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 77.829, 302.493 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, 64, 192) }
```

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

```
.border{ border-color:rgb(75, 64, 192) }
```

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

Here you see how a box with a 4 pixel rgb(75, 64, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 64, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 64, 192);  
box-shadow:4px 4px 4px 4px rgb(75, 64,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 77.829, 302.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 64, 192) }
```

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

```
.background{ background-color: rgb(75, 64,  
192) }
```

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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