

Converting Colors

CIELCh(36, 81.739, 304.033)

Have a look what the booklet for
CIELCh(36, 81.739, 304.033)
contains.

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Color

CIELCh(36, 81.625, 304.037)

Conversions

Conversions Part 1

Format	Color
Hex	513DC4
RGB	81, 61, 196
RGB Percent	32%, 24%, 77%
CMY	0.6839, 0.7619, 0.2327
CMYK	0.59, 0.69, 0.00, 0.23
HSL	249°, 53%, 50%
HSV	249°, 69%, 77%
XYZ	14.9375, 9.0082, 52.9690
YIQ	82.3700, -31.4150, 46.2250

Conversions

Conversions Part 2

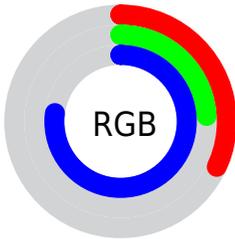
Format	Color
R_{YB}	81, 61, 196
Decimal	5324228
CIE _{Lab}	36.00, 45.69, -67.64
CIE _{LCh}	36, 81.625, 304.037
Yxy	9.0082, 0.1942, 0.1171
Android (android.graphics.Color)	4283514308 (0xFF513DC4)
YUV	82.3700, 56.0196, -1.2015
Hunter-Lab	30.0136, 36.3142, -83.6275

Details

The CIELCh color **36, 81.625, 304.037** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **75, 66.812, 111.382**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 81.978, 304.049**, and **17, 81.047, 304.598** is the 20% darker color. If you saturate the color by 10%, you get **31, 93.102, 305.375**, and if you desaturate by 10%, it is **42, 69.177, 302.566**.

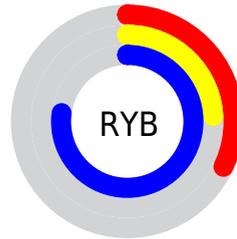
Distribution



Red (32%)

Green (24%)

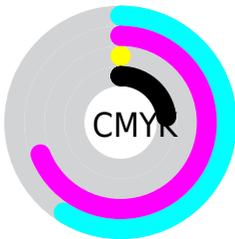
Blue (77%)



Red (32%)

Yellow (24%)

Blue (77%)

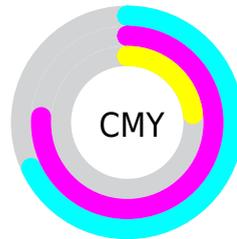


Cyan (59%)

Magenta (69%)

Yellow (0%)

Black (23%)



Cyan (68%)

Magenta (76%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 81.625, 304.037 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, 81.625, 304.037 by changing the saturation by 10% instead.

 36, 81.625,
304.037

 36, 81.625,
304.037

 100, 81.625,
304.037

 26, 81.625,
304.037

 56, 81.625,
304.037

 16, 81.625,
304.037

 66, 81.625,
304.037

 6, 81.625, 304.037

 76, 81.625,
304.037

 0, 81.625, 304.037

 86, 81.625,
304.037

 96, 81.625,
304.037

■ 36, 81.625,
304.037

■ 36, 81.625,
304.037

■ 31, 93.102,
305.375

■ 42, 69.177,
302.566

■ 27, 102.280,
306.341

■ 48, 56.568,
301.121

■ 25, 108.108,
306.799

■ 54, 44.195,
299.788

■ 24, 108.642,
306.851

■ 60, 32.217,
298.599

■ 67, 20.684,
297.560

■ 73, 9.596, 296.662

■ 80, 1.067, 115.881

■ 86, 11.331,
115.224

■ 92, 21.222,
114.656

Harmonies

Complementary

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



36, 81.625, 304.037



75, 66.812, 111.382

Rectangle

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



36, 81.625, 304.037



36, 81.625, 354.037



36, 81.625, 124.037



36, 81.625, 174.037

Sweetspot

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



36, 81.625, 304.038



83, 28.521, 297.792



67, 32.329, 215.225



42, 19.411, 298.079



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

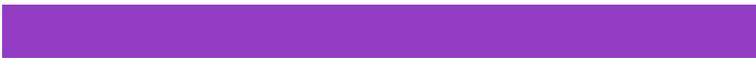
The Same Dimension uses a secret algorithm to generate beautiful new colors.



36, 81.625, 304.038



39, 120.099, 305.954



43, 80.000, 316.233



38, 6.021, 296.695



19, 93.760, 306.930



1, 19.558, 295.119

Inverse Universe

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



50, 73.377, 333.038



60, 99.461, 334.041



72, 75.148, 130.562



38, 6.526, 329.291



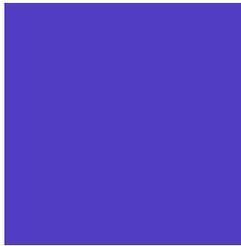
37, 72.978, 335.045



4, 21.071, 332.002

Previews

White Background



This preview shows how the CIE LCh color 36, 81.625, 304.037 looks on a white background.

Color Contrast Check

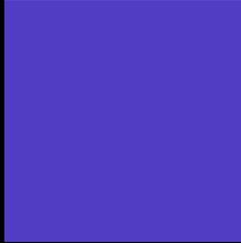
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.625, 304.037 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

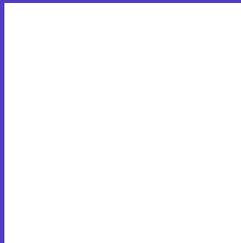
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 81.625, 304.037

Background



This preview shows how black text looks on a background with the CIELCh color 36, 81.625, 304.037.



This preview shows how white text looks on a background with the CIELCh color 36, 81.625, 304.037.

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, 81.625, 304.037

Protanopia

36, 56.003, 286.022

Deuteranopia

36, 39.677, 273.041



Tritanopia
36, 17.853, 211.535

Trichromacy



Original Color
36, 81.625, 304.037

Protanomaly
35, 66.130, 293.180

Deuteranomaly
35, 54.889, 288.799

Tritanomaly
35, 33.514, 282.090

Monochromacy



Original Color
36, 81.625, 304.037

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 30.879, 299.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 81.625, 304.037 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(81, 61, 196)` looks like.

```
.text, #text, p{  
    color:rgb(81, 61, 196)  
}
```

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(81, 61, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 61, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 81.625, 304.037 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(81, 61, 196) }
```

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

```
.border{ border-color:rgb(81, 61, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 61, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 61, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 61, 196);  
box-shadow:4px 4px 4px 4px rgb(81, 61,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 81.625, 304.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 61, 196) }
```

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

```
.background{ background-color: rgb(81, 61,  
196) }
```

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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