

Converting Colors

CIELCh(36, 75.869, 300.080)

Have a look what the booklet for
CIELCh(36, 75.869, 300.080)
contains.

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Color

CIELCh(36, 75.617, 300.004)

Conversions

Conversions Part 1

Format	Color
Hex	4044C0
RGB	64, 68, 192
RGB Percent	25%, 27%, 75%
CMY	0.7496, 0.7337, 0.2475
CMYK	0.67, 0.65, 0.00, 0.25
HSL	238°, 50%, 50%
HSV	238°, 67%, 75%
XYZ	13.6675, 9.0082, 50.8196
YIQ	80.9400, -42.1880, 37.7160

Conversions

Conversions Part 2

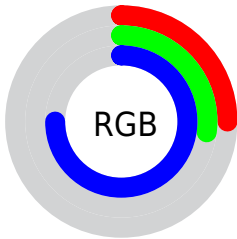
Format	Color
R _{YB}	64, 68, 192
Decimal	4211904
CIE Lab	36.00, 37.81, -65.48
CIE LCh	36, 75.617, 300.004
Yxy	9.0082, 0.1860, 0.1226
Android (android.graphics.Color)	4282401984 (0xFF4044C0)
YUV	80.9400, 54.7526, -14.8564
Hunter-Lab	30.0136, 28.7609, -79.3814

Details

The CIELCh color **36, 75.617, 300.004** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **74, 62.002, 102.589**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 75.123, 299.818**, and **18, 74.142, 302.602** is the 20% darker color. If you saturate the color by 10%, you get **31, 87.589, 302.288**, and if you desaturate by 10%, it is **42, 63.243, 297.721**.

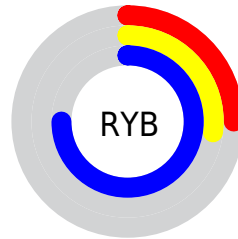
Distribution



Red (25%)

Green (27%)

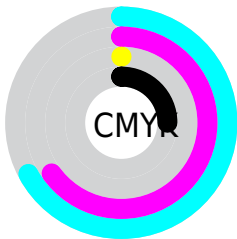
Blue (75%)



Red (25%)

Yellow (27%)

Blue (75%)

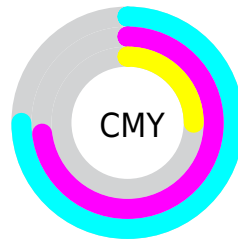


Cyan (67%)

Magenta (65%)

Yellow (0%)

Black (25%)



Cyan (75%)


Magenta (73%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 75.617, 300.004 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, 75.617, 300.004 by changing the saturation by 10% instead.


 36, 75.617,
300.004


 36, 75.617,
300.004


 100, 75.617,
300.004


 26, 75.617,
300.004

 56, 75.617,
300.004


 16, 75.617,
300.004


 66, 75.617,
300.004

 6, 75.617, 300.004

 76, 75.617,
300.004

 0, 75.617, 300.004

 86, 75.617,
300.004

 96, 75.617,
300.004

■ 36, 75.617,
300.004

■ 36, 75.617,
300.004

■ 31, 87.589,
302.288

■ 42, 63.243,
297.721

■ 27, 97.958,
304.283

■ 48, 51.064,
295.609

■ 24, 105.072,
305.654

■ 54, 39.304,
293.741

■ 23, 106.630,
305.925

■ 61, 28.014,
292.129

■ 67, 17.182,
290.753

■ 73, 6.777, 289.590

■ 80, 3.233, 108.561

■ 86, 12.878,
107.730

■ 92, 22.185,
107.007

Harmonies

Complementary

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



36, 75.617, 300.004



74, 62.002, 102.589

Rectangle

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



36, 75.617, 300.004



36, 75.617, 350.004



36, 75.617, 120.004



36, 75.617, 170.004

Sweetspot

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



36, 75.617, 300.005



82, 25.653, 291.223



71, 36.089, 192.931



42, 17.598, 291.613



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, 75.617, 300.005



39, 112.965, 303.255



41, 76.675, 311.404



37, 5.791, 289.879



19, 93.186, 305.837



1, 19.038, 290.297

Inverse Universe

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



46, 57.721, 27.173



55, 86.156, 32.366



72, 68.643, 125.129



38, 4.187, 17.363



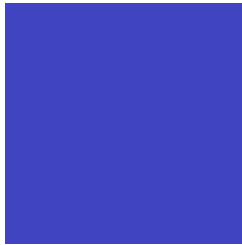
33, 72.485, 38.443



3, 14.011, 17.678

Previews

White Background



This preview shows how the CIE LCh color 36, 75.617, 300.004 looks on a white background.

Color Contrast Check

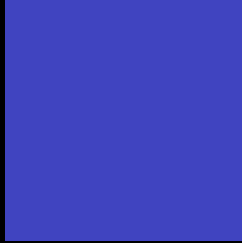
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.617, 300.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

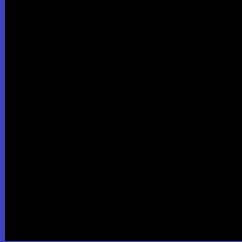
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 75.617, 300.004

Background



This preview shows how black text looks on a background with the CIELCh color 36, 75.617, 300.004.



This preview shows how white text looks on a background with the CIELCh color 36, 75.617, 300.004.

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, 75.617, 300.004

Protanopia

36, 56.643, 286.547

Deuteranopia

36, 39.677, 273.041



Tritanopia
36, 23.350, 207.503

Trichromacy



Original Color
36, 75.617, 300.004

Protanomaly
35, 63.731, 291.601

Deuteranomaly
35, 52.460, 286.313

Tritanomaly
35, 32.824, 268.729

Monochromacy



Original Color
36, 75.617, 300.004

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 28.215, 294.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 75.617, 300.004 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(64, 68, 192)` looks like.

```
.text, #text, p{  
    color:rgb(64, 68, 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(64, 68, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 68, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 75.617, 300.004 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(64, 68, 192) }
```

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

```
.border{ border-color:rgb(64, 68, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 68, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 68, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 68, 192);  
box-shadow:4px 4px 4px 4px rgb(64, 68,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 75.617, 300.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 68, 192) }
```

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

```
.background{ background-color: rgb(64, 68,  
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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