

Converting Colors

CIELCh(36, 76.983, 299.979)

Have a look what the booklet for
CIELCh(36, 76.983, 299.979)
contains.

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Color

CIELCh(36, 76.778, 299.860)

Conversions

Conversions Part 1

Format	Color
Hex	3E44C2
RGB	62, 68, 194
RGB Percent	24%, 27%, 76%
CMY	0.7581, 0.7341, 0.2402
CMYK	0.68, 0.65, 0.00, 0.24
HSL	237°, 52%, 50%
HSV	237°, 68%, 76%
XYZ	13.7323, 9.0082, 51.9100
YIQ	80.5700, -44.0220, 37.9140

Conversions

Conversions Part 2

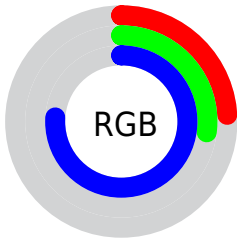
Format	Color
RYB	62, 68, 194
Decimal	4080834
CIELab	36.00, 38.23, -66.59
CIElCh	36, 76.778, 299.860
Yxy	9.0082, 0.1840, 0.1207
Android (android.graphics.Color)	4282270914 (0xFF3E44C2)
YUV	80.5700, 55.9210, -16.2859
Hunter-Lab	30.0136, 29.1463, -81.5354

Details

The CIELCh color **36, 76.778, 299.860** 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 **75, 62.808, 101.704**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 76.749, 299.712**, and **18, 75.206, 302.713** is the 20% darker color. If you saturate the color by 10%, you get **31, 88.656, 302.192**, and if you desaturate by 10%, it is **42, 64.472, 297.520**.

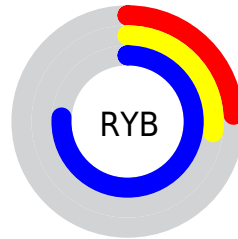
Distribution



Red (24%)

Green (27%)

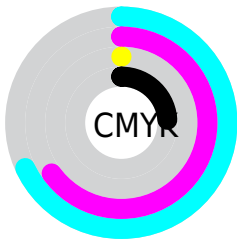
Blue (76%)



Red (24%)

Yellow (27%)

Blue (76%)

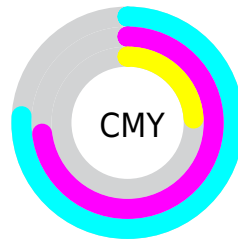


Cyan (68%)

Magenta (65%)

Yellow (0%)

Black (24%)



Cyan (76%)


Magenta (73%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 76.778, 299.860 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, 76.778, 299.860 by changing the saturation by 10% instead.


 36, 76.778,
299.860


 36, 76.778,
299.860

 100, 76.778,
299.860


 26, 76.778,
299.860

 56, 76.778,
299.860


 16, 76.778,
299.860


 66, 76.778,
299.860

 6, 76.778, 299.860

 76, 76.778,
299.860

 0, 76.778, 299.860

 86, 76.778,
299.860

 96, 76.778,
299.860

■ 36, 76.778,
299.860

■ 36, 76.778,
299.860

■ 31, 88.656,
302.192

■ 42, 64.472,
297.520

■ 27, 98.899,
304.223

■ 48, 52.344,
295.348

■ 24, 105.910,
305.612

■ 54, 40.625,
293.422

■ 24, 106.783,
305.764

■ 60, 29.370,
291.758

■ 67, 18.568,
290.336

■ 73, 8.187, 289.131

■ 80, 1.804, 108.047

■ 86, 11.435,
107.206

■ 92, 20.731,
106.457

Harmonies

Complementary

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



36, 76.778, 299.860



75, 62.808, 101.704

Rectangle

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



36, 76.778, 299.860



36, 76.778, 349.860



36, 76.778, 119.860



36, 76.778, 169.860

Sweetspot

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



36, 76.778, 299.861



83, 25.461, 290.624



72, 37.164, 190.987



43, 17.612, 291.022



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, 76.778, 299.861



38, 114.989, 303.297



40, 78.864, 311.010



38, 5.703, 289.266



19, 92.493, 305.630



1, 18.835, 289.895

Inverse Universe

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



46, 59.114, 26.638



55, 88.123, 32.283



72, 70.052, 124.505



38, 4.190, 16.179



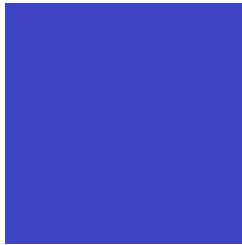
33, 71.922, 37.834



3, 14.021, 16.880

Previews

White Background



This preview shows how the CIE LCh color 36, 76.778, 299.860 looks on a white background.

Color Contrast Check

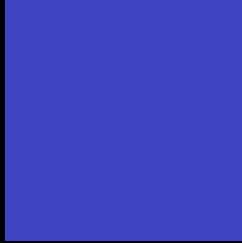
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.778, 299.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

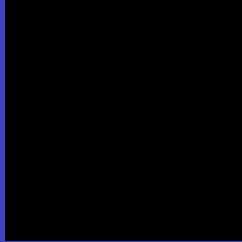
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 76.778, 299.860

Background



This preview shows how black text looks on a background with the CIELCh color 36, 76.778, 299.860.



This preview shows how white text looks on a background with the CIELCh color 36, 76.778, 299.860.

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, 76.778, 299.860

Protanopia

36, 56.643, 286.547

Deuteranopia

36, 39.150, 272.471



Tritanopia
36, 23.416, 205.874

Trichromacy



Original Color
36, 76.778, 299.860

Protanomaly
35, 64.317, 291.712

Deuteranomaly
35, 52.474, 286.219

Tritanomaly
34, 33.358, 269.675

Monochromacy



Original Color
36, 76.778, 299.860

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 28.224, 292.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 76.778, 299.860 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(62, 68, 194)` looks like.

```
.text, #text, p{  
    color:rgb(62, 68, 194)  
}
```

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(62, 68, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 68, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 76.778, 299.860 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(62, 68, 194) }
```

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

```
.border{ border-color:rgb(62, 68, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 68, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 68, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 68, 194);  
box-shadow:4px 4px 4px 4px rgb(62, 68,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 76.778, 299.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 68, 194) }
```

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

```
.background{ background-color: rgb(62, 68,  
194) }
```

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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