

Converting Colors

CIELCh(36, 59.114, 296.333)

Have a look what the booklet for
CIELCh(36, 59.114, 296.333)
contains.

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Color

CIELCh(36, 59.067, 296.239)

Conversions

Conversions Part 1

Format	Color
Hex	404BAB
RGB	64, 75, 171
RGB Percent	25%, 29%, 67%
CMY	0.7502, 0.7068, 0.3305
CMYK	0.63, 0.56, 0.00, 0.33
HSL	234°, 46%, 46%
HSV	234°, 63%, 67%
XYZ	11.9169, 9.0082, 39.4962
YIQ	82.6550, -37.3720, 27.5240

Conversions

Conversions Part 2

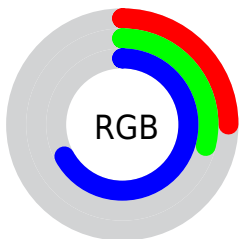
Format	Color
R _{YB}	64, 74, 171
Decimal	4213675
CIE _{Lab}	36.00, 26.11, -52.98
CIE _{LCh}	36, 59.067, 296.239
Y _{xy}	9.0082, 0.1972, 0.1491
Android (android.graphics.Color)	4282403755 (0xFF404BAB)
YUV	82.6550, 43.5541, -16.3604
Hunter-Lab	30.0136, 18.3496, -57.0128

Details

The CIELCh color **36, 59.067, 296.239** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **65, 50.672, 99.065**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 58.773, 296.081**, and **17, 58.318, 298.395** is the 20% darker color. If you saturate the color by 10%, you get **31, 69.576, 298.770**, and if you desaturate by 10%, it is **41, 48.720, 293.886**.

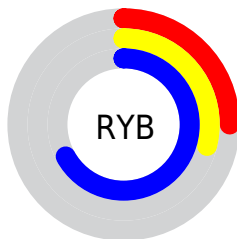
Distribution



Red (25%)

Green (29%)

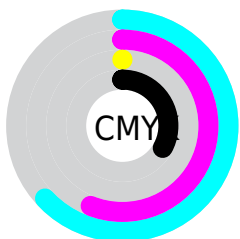
Blue (67%)



Red (25%)

Yellow (29%)

Blue (67%)

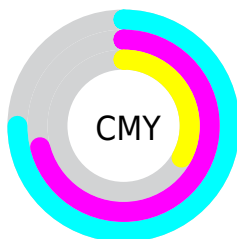


Cyan (63%)

Magenta (56%)

Yellow (0%)

Black (33%)



Cyan (75%)


Magenta (71%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 59.067, 296.239 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, 59.067, 296.239 by changing the saturation by 10% instead.


 36, 59.067,
296.239


 36, 59.067,
296.239

 100, 59.067,
296.239


 26, 59.067,
296.239

 56, 59.067,
296.239


 16, 59.067,
296.239


 66, 59.067,
296.239

 6, 59.067, 296.239

 76, 59.067,
296.239

 0, 59.067, 296.239

 86, 59.067,
296.239

 96, 59.067,
296.239

■ 36, 59.067,
296.239

■ 36, 59.067,
296.239

■ 31, 69.576,
298.770

■ 41, 48.720,
293.886

■ 27, 79.781,
301.299

■ 47, 38.713,
291.788

■ 23, 88.766,
303.556

■ 52, 29.082,
289.966

■ 21, 93.903,
304.796

■ 57, 19.817,
288.401

■ 63, 10.892,
287.068

■ 68, 2.278, 285.958

■ 74, 6.046, 104.920

■ 79, 14.101,
104.087

■ 85, 21.904,
103.361

Harmonies

Complementary

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



36, 59.067, 296.239



65, 50.672, 99.065

Rectangle

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



36, 59.067, 296.239



36, 59.067, 346.239



36, 59.067, 116.239



36, 59.067, 166.239

Sweetspot

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



36, 59.067, 296.240



76, 20.410, 287.930



64, 33.485, 184.497



38, 14.230, 288.320



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



36, 59.067, 296.240



39, 89.204, 299.704



37, 65.731, 308.891



33, 4.772, 286.660



18, 83.899, 304.591



1, 8.720, 286.331

Inverse Universe

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



42, 47.771, 20.607



50, 70.755, 25.279



65, 58.051, 122.007



33, 3.752, 11.560



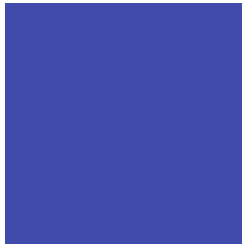
30, 65.302, 34.825



1, 6.638, 12.040

Previews

White Background



This preview shows how the CIE LCh color 36, 59.067, 296.239 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, 59.067, 296.239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

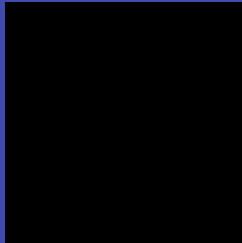
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 59.067, 296.239

Background



This preview shows how black text looks on a background with the CIELCh color 36, 59.067, 296.239.



This preview shows how white text looks on a background with the CIELCh color 36, 59.067, 296.239.

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, 59.067, 296.239

Protanopia
36, 57.215, 286.810

Deuteranopia
36, 41.288, 274.995



Tritanopia
36, 20.793, 210.957

Trichromacy



Original Color
36, 59.067, 296.239

Protanomaly
36, 57.725, 288.840

Deuteranomaly
35, 47.749, 283.265

Tritanomaly
35, 27.421, 265.113

Monochromacy



Original Color
36, 59.067, 296.239

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 21.901, 290.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 59.067, 296.239 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, 75, 171)` looks like.

```
.text, #text, p{  
    color:rgb(64, 75, 171)  
}
```

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, 75, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 75, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 59.067, 296.239 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, 75, 171) }
```

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

```
.border{ border-color:rgb(64, 75, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 75, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 75, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 75, 171);  
box-shadow:4px 4px 4px 4px rgb(64, 75,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 59.067, 296.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 75, 171) }
```

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

```
.background{ background-color: rgb(64, 75,  
171) }
```

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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