

Converting Colors

CIELCh(36, 99.796, 302.062)

Have a look what the booklet for
CIELCh(36, 99.796, 302.062)
contains.

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Color

CIELCh(36, 99.789, 302.059)

Conversions

Conversions Part 1

Format	Color
Hex	2E3AE1
RGB	46, 58, 225
RGB Percent	18%, 23%, 88%
CMY	0.8210, 0.7732, 0.1184
CMYK	0.80, 0.74, 0.00, 0.12
HSL	236°, 75%, 53%
HSV	236°, 80%, 88%
XYZ	16.1794, 9.0082, 71.9802
YIQ	73.4500, -60.7590, 49.3930

Conversions

Conversions Part 2

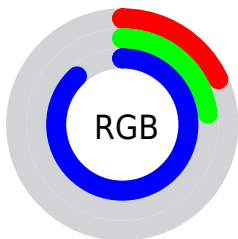
Format	Color
R _Y B	46, 57, 225
Decimal	3029729
CIE Lab	36.00, 52.97, -84.57
CIE LCh	36, 99.789, 302.059
Yxy	9.0082, 0.1665, 0.0927
Android (android.graphics.Color)	4281219809 (0xFF2E3AE1)
YUV	73.4500, 74.7142, -24.0737
Hunter-Lab	30.0136, 43.7000, -121.1829

Details

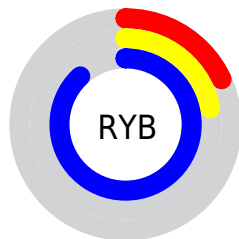
The CIELCh color **36, 99.789, 302.059** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **84, 77.383, 99.533**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 84.491, 301.648**, and **20, 94.534, 305.319** is the 20% darker color. If you saturate the color by 10%, you get **32, 110.983, 304.159**, and if you desaturate by 10%, it is **42, 86.710, 299.636**.

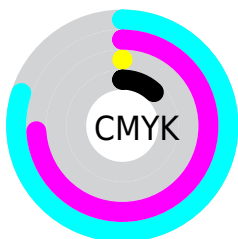
Distribution



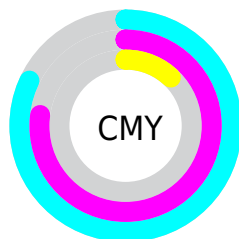
- Red (18%)
- Green (23%)
- Blue (88%)



- Red (18%)
- Yellow (22%)
- Blue (88%)



- Cyan (80%)
- Magenta (74%)
- Yellow (0%)
- Black (12%)





- Cyan (82%)
- Magenta (77%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 99.789, 302.059 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, 99.789, 302.059 by changing the saturation by 10% instead.


 36, 99.789,
302.059


 36, 99.789,
302.059

 100, 99.789,
302.059


 26, 99.789,
302.059

 56, 99.789,
302.059


 16, 99.789,
302.059


 66, 99.789,
302.059

 6, 99.789, 302.059

 76, 99.789,
302.059

 0, 99.789, 302.059

 86, 99.789,
302.059

 96, 99.789,
302.059

■ 36, 99.789,
302.059

■ 36, 99.789,
302.059

■ 32, 110.983,
304.159

■ 42, 86.710,
299.636

■ 29, 118.558,
305.586

■ 48, 73.106,
297.188

■ 29, 118.724,
305.614

■ 55, 59.681,
294.908

■ 62, 46.703,
292.882

■ 69, 34.235,
291.130

■ 76, 22.264,
289.634

■ 83, 10.757,
288.365

■ 90, 0.324, 106.963

■ 97, 11.011,
106.339

Harmonies

Complementary

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



36, 99.789, 302.059



84, 77.383, 99.533

Rectangle

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



36, 99.789, 302.059



36, 99.789, 352.059



36, 99.789, 122.059



36, 99.789, 172.059

Sweetspot

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



36, 99.790, 302.060



81, 30.317, 290.274



81, 46.110, 186.295



41, 20.975, 290.821



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, 99.790, 302.060



34, 128.379, 305.256



40, 101.917, 310.541



43, 6.290, 288.336



22, 98.159, 305.415



3, 30.139, 294.424

Inverse Universe

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



50, 77.149, 29.702



54, 99.432, 36.771



82, 87.385, 123.440



44, 4.740, 14.433



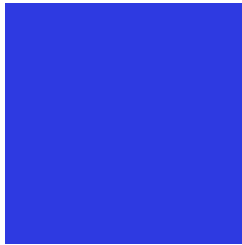
36, 76.300, 37.190



6, 25.395, 18.077

Previews

White Background



This preview shows how the CIE LCh color 36, 99.789, 302.059 looks on a white background.

Color Contrast Check

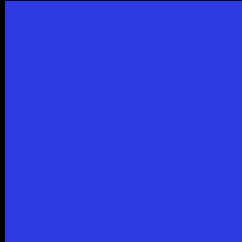
Large Text (above 18pt) WCAG AA ✓ Pass

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, 99.789, 302.059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

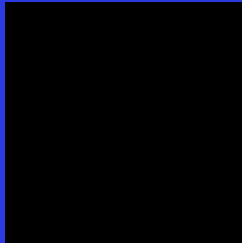
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 99.789, 302.059

Background



This preview shows how black text looks on a background with the CIELCh color 36, 99.789, 302.059.



This preview shows how white text looks on a background with the CIELCh color 36, 99.789, 302.059.

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, 99.789, 302.059

Protanopia

36, 55.500, 286.004

Deuteranopia

35, 38.626, 272.232



Tritanopia
35, 23.320, 204.331

Trichromacy



Original Color
36, 99.789, 302.059

Protanomaly
35, 72.057, 294.143

Deuteranomaly
35, 60.916, 290.252

Tritanomaly
34, 41.126, 278.483

Monochromacy



Original Color
36, 99.789, 302.059

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 38.735, 294.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 99.789, 302.059 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(46, 58, 225)` looks like.

```
.text, #text, p{  
    color:rgb(46, 58, 225)  
}
```

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(46, 58, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 58, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 99.789, 302.059 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(46, 58, 225) }
```

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

```
.border{ border-color:rgb(46, 58, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 58, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 58, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 58, 225);  
box-shadow:4px 4px 4px 4px rgb(46, 58,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 99.789, 302.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 58, 225) }
```

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

```
.background{ background-color: rgb(46, 58,  
225) }
```

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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