

Converting Colors

CIELCh(36, 114.026, 304.913)

Have a look what the booklet for
CIELCh(36, 114.026, 304.913)
contains.

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Color

CIELCh(36, 114.195, 304.930)

Conversions

Conversions Part 1

Format	Color
Hex	3A2CF1
RGB	58, 44, 241
RGB Percent	23%, 17%, 95%
CMY	0.7741, 0.8283, 0.0559
CMYK	0.76, 0.82, 0.00, 0.06
HSL	244°, 87%, 56%
HSV	244°, 82%, 94%
XYZ	18.4535, 9.0082, 83.7920
YIQ	70.6440, -54.8930, 64.2350

Conversions

Conversions Part 2

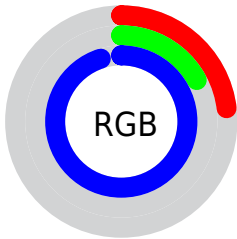
Format	Color
R_{YB}	58, 44, 241
Decimal	3812593
CIE _{Lab}	36.00, 65.39, -93.62
CIE _{LCh}	36, 114.195, 304.930
Yxy	9.0082, 0.1659, 0.0810
Android (android.graphics.Color)	4282002673 (0xFF3A2CF1)
YUV	70.6440, 83.9855, -11.0888
Hunter-Lab	30.0136, 57.2247, -144.5164

Details

The CIELCh color **36, 114.195, 304.930** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **91, 87.255, 107.099**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 90.868, 305.304**, and **22, 104.301, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 123.545, 306.013**, and if you desaturate by 10%, it is **41, 101.162, 303.314**.

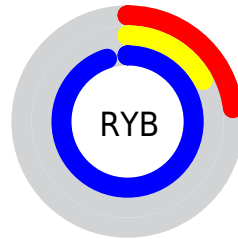
Distribution



 Red (23%)

 Green (17%)

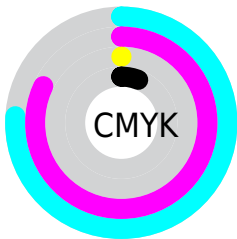
 Blue (95%)




 Red (23%)

 Yellow (17%)

 Blue (95%)

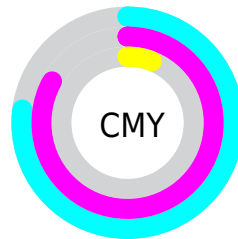


 Cyan (76%)

 Magenta (82%)

 Yellow (0%)

 Black (6%)



 Cyan (77%)


 Magenta (83%)


 Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 114.195, 304.930 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, 114.195, 304.930 by changing the saturation by 10% instead.


 36, 114.195,
304.930


 36, 114.195,
304.930


 100, 114.195,
304.930


 26, 114.195,
304.930


 56, 114.195,
304.930


 16, 114.195,
304.930


 66, 114.195,
304.930

 6, 114.195,
304.930

 76, 114.195,
304.930

 0, 114.195,
304.930

 86, 114.195,
304.930

 96, 114.195,
304.930

■ 36, 114.195,
304.930

■ 36, 114.195,
304.930

■ 32, 123.545,
306.013

■ 41, 101.162,
303.314

■ 31, 127.779,
306.448

■ 48, 86.417,
301.469

■ 55, 71.283,
299.636

■ 63, 56.404,
297.944

■ 70, 42.029,
296.447

■ 78, 28.223,
295.152

■ 86, 14.979,
294.043

■ 94, 2.267, 293.113

100, 7.211,
109.628

Harmonies

Complementary

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



36, 114.195, 304.930



91, 87.255, 107.099

Rectangle

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



36, 114.195, 304.930



36, 114.195, 354.930



36, 114.195, 124.930



36, 114.195, 174.930

Sweetspot

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



36, 114.197, 304.931



80, 34.113, 295.553



83, 42.792, 206.159



40, 23.446, 296.009



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, 114.197, 304.931



33, 132.580, 306.343



46, 107.739, 314.296



46, 7.144, 293.808



22, 104.194, 306.499



3, 37.985, 300.389

Inverse Universe

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



58, 99.904, 330.648



59, 109.041, 331.233



86, 98.008, 128.764



47, 8.206, 326.904



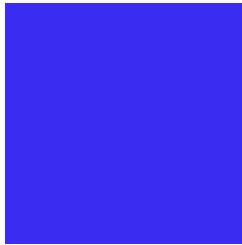
43, 85.464, 331.235



10, 37.595, 330.790

Previews

White Background



This preview shows how the CIE LCh color 36, 114.195, 304.930 looks on a white background.

Color Contrast Check

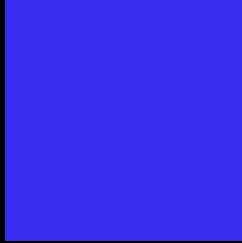
Large Text (above 18pt) WCAG AA ✓ Pass

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, 114.195, 304.930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

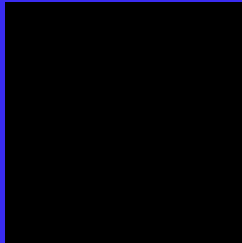
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 114.195, 304.930

Background



This preview shows how black text looks on a background with the CIELCh color 36, 114.195, 304.930.



This preview shows how white text looks on a background with the CIELCh color 36, 114.195, 304.930.

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, 114.195, 304.930

Protanopia

36, 55.500, 286.004

Deuteranopia

35, 38.626, 272.232



Tritanopia
35, 23.320, 204.331

Trichromacy



Original Color
36, 114.195, 304.930

Protanomaly
34, 79.324, 296.914

Deuteranomaly
34, 67.650, 293.603

Tritanomaly
33, 47.573, 284.912

Monochromacy



Original Color
36, 114.195, 304.930

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 46.016, 299.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 114.195, 304.930 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(58, 44, 241)` looks like.

```
.text, #text, p{  
    color:rgb(58, 44, 241)  
}
```

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(58, 44, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 44, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 114.195, 304.930 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(58, 44, 241) }
```

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

```
.border{ border-color:rgb(58, 44, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 44, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 44, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 44, 241);  
box-shadow:4px 4px 4px 4px rgb(58, 44,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 114.195, 304.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 44, 241) }
```

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

```
.background{ background-color: rgb(58, 44,  
241) }
```

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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