

Converting Colors

CIELCh(36, 118.834, 308.900)

Have a look what the booklet for
CIELCh(36, 118.834, 308.900)
contains.

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Color

CIELCh(36, 118.913, 308.936)

Conversions

Conversions Part 1

Format	Color
Hex	5D13EF
RGB	93, 19, 239
RGB Percent	36%, 7%, 94%
CMY	0.6357, 0.9261, 0.0631
CMYK	0.61, 0.92, 0.00, 0.06
HSL	260°, 87%, 51%
HSV	260°, 92%, 94%
XYZ	20.2988, 9.0082, 82.2561
YIQ	66.2060, -26.5160, 84.1080

Conversions

Conversions Part 2

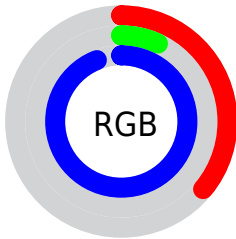
Format	Color
R_{YB}	93, 19, 239
Decimal	6099951
CIE _{Lab}	36.00, 74.73, -92.50
CIE _{LCh}	36, 118.913, 308.936
Yxy	9.0082, 0.1819, 0.0807
Android (android.graphics.Color)	4284290031 (0xFF5D13EF)
YUV	66.2060, 85.1874, 23.4983
Hunter-Lab	30.0136, 68.1996, -141.4823

Details

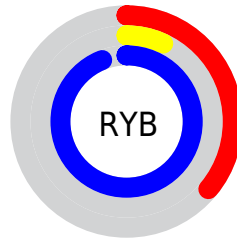
The CIELCh color **36, 118.913, 308.936** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **87, 96.201, 120.980**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 97.509, 310.964**, and **21, 103.454, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 123.046, 308.676**, and if you desaturate by 10%, it is **40, 110.547, 308.887**.

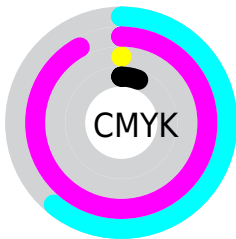
Distribution



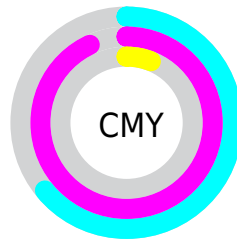
- Red (36%)
- Green (7%)
- Blue (94%)



- Red (36%)
- Yellow (7%)
- Blue (94%)



- Cyan (61%)
- Magenta (92%)
- Yellow (0%)
- Black (6%)





- Cyan (64%)
- Magenta (93%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 118.913, 308.936 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, 118.913, 308.936 by changing the saturation by 10% instead.


 36, 118.913,
308.936


 36, 118.913,
308.936


 100, 118.913,
308.936


 26, 118.913,
308.936


 56, 118.913,
308.936


 16, 118.913,
308.936


 66, 118.913,
308.936

 6, 118.913,
308.936

 76, 118.913,
308.936

 0, 118.913,
308.936

 86, 118.913,
308.936

 96, 118.913,
308.936

■ 36, 118.913,
308.936

■ 36, 118.913,
308.936

■ 34, 123.046,
308.676

■ 40, 110.547,
308.887

■ 45, 99.022,
308.418

■ 51, 85.642,
307.701

■ 58, 71.443,
306.879

■ 64, 57.072,
306.043

■ 71, 42.883,
305.246

■ 79, 29.049,
304.514

■ 86, 15.644,

303.855

■ 93, 2.692, 303.254

Harmonies

Complementary

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



36, 118.913, 308.936



87, 96.201, 120.980

Rectangle

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



36, 118.913, 308.936



36, 118.913, 358.936



36, 118.913, 128.936



36, 118.913, 178.936

Sweetspot

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



36, 118.914, 308.937



79, 39.164, 304.943



65, 47.245, 258.934



39, 27.227, 305.270



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, 118.914, 308.937



36, 129.326, 308.643



51, 109.632, 322.125



46, 7.325, 303.694



25, 100.800, 308.837



4, 38.938, 307.036

Inverse Universe

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



53, 85.440, 346.268



56, 89.941, 348.191



83, 110.133, 134.915



47, 6.797, 336.441



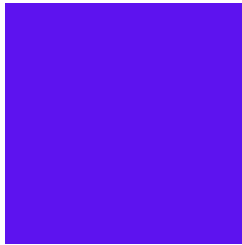
40, 70.548, 347.653



9, 31.696, 344.128

Previews

White Background



This preview shows how the CIE LCh color 36, 118.913, 308.936 looks on a white background.

Color Contrast Check

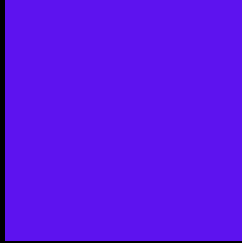
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.913, 308.936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

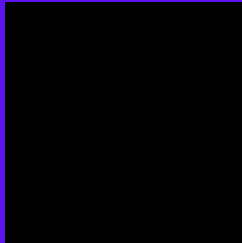
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 118.913, 308.936

Background



This preview shows how black text looks on a background with the CIELCh color 36, 118.913, 308.936.

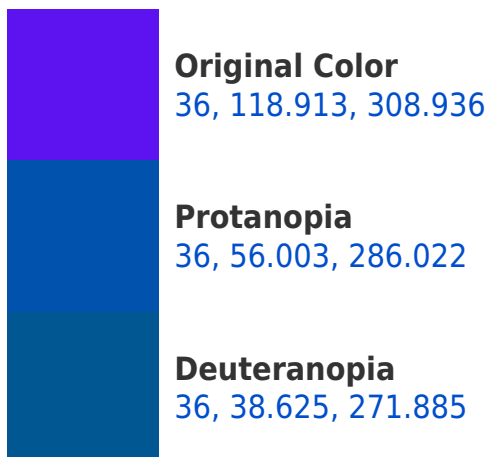



This preview shows how white text looks on a background with the CIELCh color 36, 118.913, 308.936.

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





Tritanopia
36, 22.270, 209.840

Trichromacy



Original Color
36, 118.913, 308.936

Protanomaly
33, 84.231, 299.682

Deuteranomaly
32, 73.439, 297.557

Tritanomaly
31, 53.658, 292.933

Monochromacy



Original Color
36, 118.913, 308.936

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 51.701, 307.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 118.913, 308.936 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(93, 19, 239)` looks like.

```
.text, #text, p{  
    color:rgb(93, 19, 239)  
}
```

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(93, 19, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 19, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 118.913, 308.936 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(93, 19, 239) }
```

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

```
.border{ border-color:rgb(93, 19, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 19, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 19, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 19, 239);  
box-shadow:4px 4px 4px 4px rgb(93, 19,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 118.913, 308.936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 19, 239) }
```

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

```
.background{ background-color: rgb(93, 19,  
239) }
```

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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