

Converting Colors

CIELCh(36, 118.676, 310.671)

Have a look what the booklet for
CIELCh(36, 118.676, 310.671)
contains.

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Color

CIELCh(36, 118.749, 310.673)

Conversions

Conversions Part 1

Format	Color
Hex	6A00EB
RGB	106, 0, 235
RGB Percent	42%, 0%, 92%
CMY	0.5856, 1.0000, 0.0796
CMYK	0.55, 1.00, 0.00, 0.08
HSL	267°, 100%, 46%
HSV	267°, 100%, 92%
XYZ	20.8462, 9.0082, 79.0050
YIQ	58.4840, -12.2590, 95.5570

Conversions

Conversions Part 2

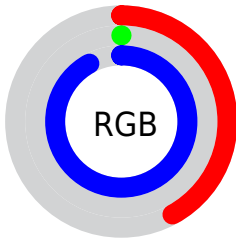
Format	Color
R_{YB}	106, 0, 235
Decimal	6947051
CIE _{Lab}	36.00, 77.39, -90.06
CIE _{LCh}	36, 118.749, 310.673
Yxy	9.0082, 0.1915, 0.0828
Android (android.graphics.Color)	4285137131 (0xFF6A00EB)
YUV	58.4840, 87.0224, 41.6715
Hunter-Lab	30.0136, 71.4548, -135.0600

Details

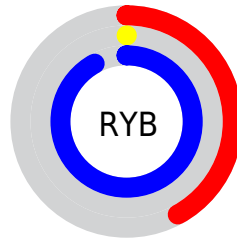
The CIELCh color **36, 118.749, 310.673** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed purple. A complement of this color would be **84, 101.023, 126.552**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 99.774, 312.988**, and **21, 101.135, 306.664** is the 20% darker color. If you saturate the color by 10%, you get **36, 118.653, 310.656**, and if you desaturate by 10%, it is **39, 113.619, 311.194**.

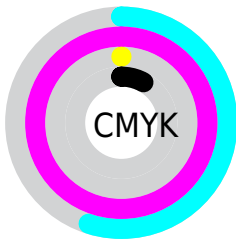
Distribution



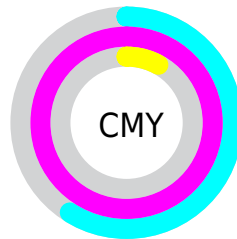
- Red (42%)
- Green (0%)
- Blue (92%)



- Red (42%)
- Yellow (0%)
- Blue (92%)



- Cyan (55%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)





- Cyan (59%)
- Magenta (100%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 118.749, 310.673 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, 118.749, 310.673 by changing the saturation by 10% instead.


 36, 118.749,
310.673


 36, 118.749,
310.673


 100, 118.749,
310.673


 26, 118.749,
310.673


 56, 118.749,
310.673


 16, 118.749,
310.673


 66, 118.749,
310.673

 6, 118.749,
310.673

 76, 118.749,
310.673

 0, 118.749,
310.673

 86, 118.749,
310.673

 96, 118.749,
310.673

■ 36, 118.749,
310.673

■ 36, 118.749,
310.673

■ 36, 118.653,
310.656

■ 39, 113.619,
311.194

■ 43, 105.377,
311.336

■ 47, 94.325,
311.117

■ 53, 81.515,
310.669

■ 59, 67.821,
310.102

■ 66, 53.833,
309.492

■ 72, 39.907,
308.885

■ 79, 26.238,

308.310

■ 86, 12.925,
307.778

Harmonies

Complementary

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



36, 118.749, 310.673



84, 101.023, 126.552

Rectangle

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



36, 118.749, 310.673



36, 118.749, 0.673



36, 118.749, 130.673



36, 118.749, 180.673

Sweetspot

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



36, 118.653, 310.656



78, 42.692, 308.893



54, 62.144, 279.497



38, 29.280, 309.148



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, 118.653, 310.656



39, 126.409, 310.606



54, 108.825, 326.242



45, 7.334, 307.751



27, 97.507, 310.841



4, 37.420, 309.947

Inverse Universe

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



51, 80.365, 357.983



55, 85.522, 358.172



81, 112.249, 135.861



46, 6.165, 341.778



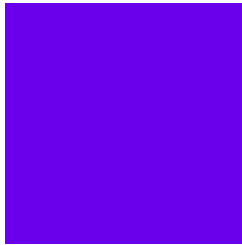
39, 66.320, 357.295



8, 29.146, 351.523

Previews

White Background



This preview shows how the CIE LCh color 36, 118.749, 310.673 looks on a white background.

Color Contrast Check

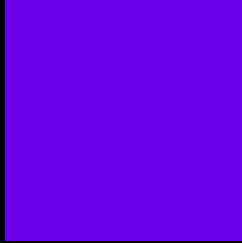
Large Text (above 18pt) WCAG AA ✓ Pass

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, 118.749, 310.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

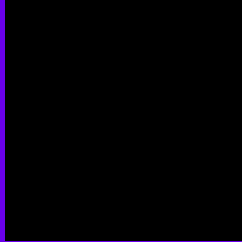
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 118.749, 310.673

Background



This preview shows how black text looks on a background with the CIELCh color 36, 118.749, 310.673.



This preview shows how white text looks on a background with the CIELCh color 36, 118.749, 310.673.

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, 118.749, 310.673

Protanopia

37, 57.074, 286.307

Deuteranopia

37, 39.149, 271.787



Tritanopia
37, 12.534, 221.515

Trichromacy



Original Color
36, 118.749, 310.673

Protanomaly
32, 88.337, 301.317

Deuteranomaly
31, 76.610, 299.319

Tritanomaly
31, 56.795, 303.907

Monochromacy



Original Color
36, 118.749, 310.673

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 55.318, 310.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 118.749, 310.673 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(106, 0, 235)` looks like.

```
.text, #text, p{  
  color:rgb(106, 0, 235)  
}
```

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(106, 0, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 0, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 118.749, 310.673 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(106, 0, 235) }
```

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

```
.border{ border-color:rgb(106, 0, 235) }
```

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

Here you see how a box with a 4 pixel rgb(106, 0, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 0, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 0, 235);  
box-shadow:4px 4px 4px 4px rgb(106, 0,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 118.749, 310.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 0, 235) }
```

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

```
.background{ background-color: rgb(106, 0,  
235) }
```

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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