

Converting Colors

CIELCh(36, 128.561, 307.985)

Have a look what the booklet for
CIELCh(36, 128.561, 307.985)
contains.

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Color

CIELCh(36, 128.817, 307.992)

Conversions

Conversions Part 1

Format	Color
Hex	4E09FF
RGB	78, 9, 255
RGB Percent	31%, 4%, 100%
CMY	0.6949, 0.9662, 0.0006
CMYK	0.69, 0.97, 0.00, 0.00
HSL	257°, 100%, 52%
HSV	257°, 97%, 100%
XYZ	21.2427, 9.0082, 95.0969
YIQ	57.6750, -37.8420, 91.1340

Conversions

Conversions Part 2

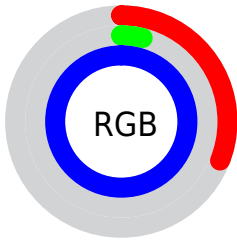
Format	Color
R_{YB}	78, 9, 255
Decimal	5114367
CIE _{Lab}	36.00, 79.29, -101.52
CIE _{LCh}	36, 128.817, 307.992
Yxy	9.0082, 0.1695, 0.0719
Android (android.graphics.Color)	4283304447 (0xFF4E09FF)
YUV	57.6750, 97.2812, 17.8250
Hunter-Lab	30.0136, 73.8131, -166.8485

Details

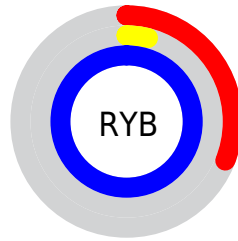
The CIELCh color **36, 128.817, 307.992** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **93, 100.881, 118.861**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 99.771, 310.024**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 130.510, 307.919**, and if you desaturate by 10%, it is **39, 121.792, 308.029**.

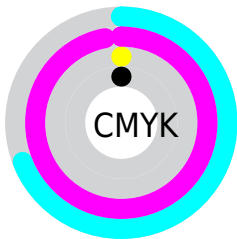
Distribution



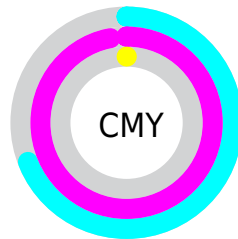
- Red (31%)
- Green (4%)
- Blue (100%)



- Red (31%)
- Yellow (4%)
- Blue (100%)



- Cyan (69%)
- Magenta (97%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (97%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 128.817, 307.992 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, 128.817, 307.992 by changing the saturation by 10% instead.


 36, 128.817,
307.992


 36, 128.817,
307.992


 100, 128.817,
307.992


 26, 128.817,
307.992


 56, 128.817,
307.992


 16, 128.817,
307.992


 66, 128.817,
307.992

 6, 128.817,
307.992

 76, 128.817,
307.992

 0, 128.817,
307.992

 86, 128.817,
307.992

 96, 128.817,
307.992

■ 36, 128.817,
307.992

■ 36, 128.817,
307.992

■ 35, 130.510,
307.919

■ 39, 121.792,
308.029

■ 44, 110.692,
307.546

■ 50, 96.991,
306.728

■ 57, 82.058,
305.758

■ 64, 66.785,
304.762

■ 72, 51.656,
303.812

■ 80, 36.905,
302.942

■ 87, 22.626,

302.164

 95, 8.849, 301.478

Harmonies

Complementary

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



36, 128.817, 307.992



93, 100.881, 118.861

Rectangle

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



36, 128.817, 307.992



36, 128.817, 357.992



36, 128.817, 127.992



36, 128.817, 177.992

Sweetspot

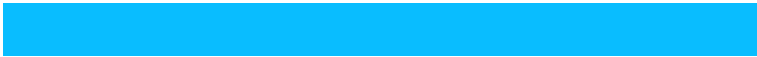
The Sweet Spot groups the original color and five complimentary colors.



36, 128.819, 307.993



78, 40.404, 303.141



72, 46.293, 249.056



38, 27.930, 303.511



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, 128.819, 307.993



35, 130.570, 307.919



51, 117.529, 319.596



49, 7.649, 301.668



25, 104.956, 308.066



4, 44.718, 307.266

Inverse Universe

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



57, 93.082, 343.275



57, 93.121, 343.897



88, 116.112, 134.242



50, 7.441, 334.136



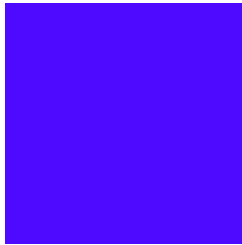
43, 75.246, 343.546



11, 35.426, 341.205

Previews

White Background



This preview shows how the CIE LCh color 36, 128.817, 307.992 looks on a white background.

Color Contrast Check

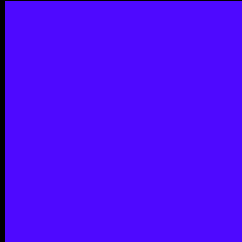
Large Text (above 18pt) WCAG AA ✓ Pass

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, 128.817, 307.992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

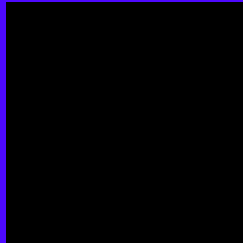
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 128.817, 307.992

Background



This preview shows how black text looks on a background with the CIELCh color 36, 128.817, 307.992.



This preview shows how white text looks on a background with the CIELCh color 36, 128.817, 307.992.

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, 128.817, 307.992

Protanopia

36, 56.003, 286.022

Deuteranopia

36, 38.625, 271.885



Tritanopia
36, 23.416, 205.874

Trichromacy



Original Color
36, 128.817, 307.992

Protanomaly
32, 90.025, 300.641

Deuteranomaly
32, 78.859, 298.550

Tritanomaly
30, 58.996, 293.504

Monochromacy



Original Color
36, 128.817, 307.992

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 58.318, 306.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 128.817, 307.992 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(78, 9, 255)` looks like.

```
.text, #text, p{  
    color:rgb(78, 9, 255)  
}
```

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(78, 9, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 9, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 128.817, 307.992 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(78, 9, 255) }
```

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

```
.border{ border-color:rgb(78, 9, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 9, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 9, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 9, 255);  
box-shadow:4px 4px 4px 4px rgb(78, 9, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 128.817, 307.992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 9, 255) }
```

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

```
.background{ background-color: rgb(78, 9,  
255) }
```

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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