

Converting Colors

CIELCh(36, 129.188, 308.598)

Have a look what the booklet for
CIELCh(36, 129.188, 308.598)
contains.

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Color

CIELCh(36, 129.075, 308.562)

Conversions

Conversions Part 1

Format	Color
Hex	5400FE
RGB	84, 0, 254
RGB Percent	33%, 0%, 100%
CMY	0.6715, 1.0000, 0.0046
CMYK	0.67, 1.00, 0.00, 0.00
HSL	260°, 100%, 50%
HSV	260°, 100%, 100%
XYZ	21.4887, 9.0082, 94.2160
YIQ	54.0720, -31.4700, 96.8020

Conversions

Conversions Part 2

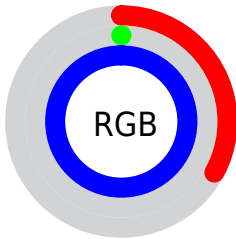
Format	Color
RYB	84, 0, 254
Decimal	5505278
CIELab	36.00, 80.46, -100.93
CIELCh	36, 129.075, 308.562
Yxy	9.0082, 0.1723, 0.0722
Android (android.graphics.Color)	4283695358 (0xFF5400FE)
YUV	54.0720, 98.5645, 26.2469
Hunter-Lab	30.0136, 75.2762, -165.1084

Details

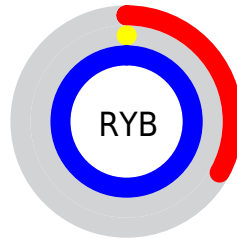
The CIELCh color **36, 129.075, 308.562** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **91, 103.017, 121.593**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 100.623, 310.954**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **36, 129.019, 308.552**, and if you desaturate by 10%, it is **39, 123.330, 308.856**.

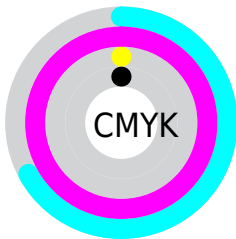
Distribution



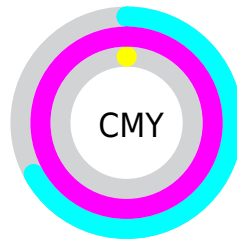
- Red (33%)
- Green (0%)
- Blue (100%)



- Red (33%)
- Yellow (0%)
- Blue (100%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (100%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 129.075, 308.562 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, 129.075, 308.562 by changing the saturation by 10% instead.


 36, 129.075,
308.562


 36, 129.075,
308.562


 100, 129.075,
308.562


 26, 129.075,
308.562


 56, 129.075,
308.562


 16, 129.075,
308.562


 66, 129.075,
308.562

 6, 129.075,
308.562

 76, 129.075,
308.562

 0, 129.075,
308.562

 86, 129.075,
308.562

 96, 129.075,
308.562

■ 36, 129.075,
308.562

■ 36, 129.075,
308.562

■ 36, 129.019,
308.552

■ 39, 123.330,
308.856

■ 43, 113.791,
308.696

■ 49, 101.175,
308.144

■ 55, 86.851,
307.375

■ 62, 71.838,
306.523

■ 70, 56.750,
305.674

■ 77, 41.911,
304.874

■ 85, 27.474,

304.144

■ 92, 13.503,
303.491

Harmonies

Complementary

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



36, 129.075, 308.562



91, 103.017, 121.593

Rectangle

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



36, 129.075, 308.562



36, 129.075, 358.562



36, 129.075, 128.562



36, 129.075, 178.562

Sweetspot

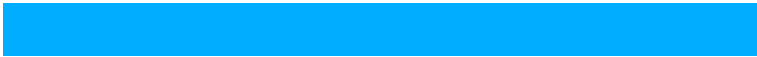
The Sweet Spot groups the original color and five complimentary colors.



36, 129.019, 308.552



77, 42.070, 304.874



67, 50.685, 260.259



38, 28.896, 305.204



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, 129.019, 308.552



36, 129.480, 308.550



52, 117.134, 321.166



49, 7.700, 303.461



26, 104.070, 308.714



5, 44.805, 308.425

Inverse Universe

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



56, 89.969, 347.660



56, 90.283, 347.666



88, 117.736, 135.008



50, 7.185, 336.165



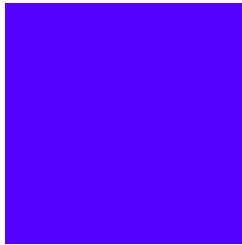
42, 72.961, 347.217



11, 34.403, 344.227

Previews

White Background



This preview shows how the CIELCh color 36, 129.075, 308.562 looks on a white background.

Color Contrast Check

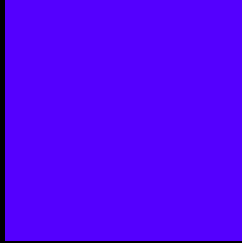
Large Text (above 18pt) WCAG AA ✓ Pass

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, 129.075, 308.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

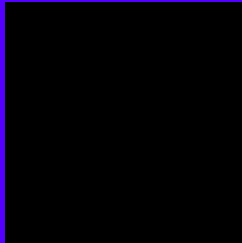
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 129.075, 308.562

Background



This preview shows how black text looks on a background with the CIELCh color 36, 129.075, 308.562.



This preview shows how white text looks on a background with the CIELCh color 36, 129.075,

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, 129.075, 308.562

Protanopia

36, 55.936, 285.765

Deuteranopia

36, 38.627, 271.540



Tritanopia
36, 23.593, 205.785

Trichromacy



Original Color
36, 129.075, 308.562

Protanomaly
32, 91.174, 301.141

Deuteranomaly
31, 80.740, 299.455

Tritanomaly
29, 61.597, 295.126

Monochromacy



Original Color
36, 129.075, 308.562

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 60.214, 308.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 129.075, 308.562 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(84, 0, 254)` looks like.

```
.text, #text, p{  
    color:rgb(84, 0, 254)  
}
```

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(84, 0, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 0, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 129.075, 308.562 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(84, 0, 254) }
```

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

```
.border{ border-color:rgb(84, 0, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 0, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 0, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 0, 254);  
box-shadow:4px 4px 4px 4px rgb(84, 0, 254)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 129.075, 308.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 0, 254) }
```

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

```
.background{ background-color: rgb(84, 0,  
254) }
```

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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