

Converting Colors

CIELCh(36, 124.458, 309.244)

Have a look what the booklet for
CIELCh(36, 124.458, 309.244)
contains.

CIELCh(36, 124.562, 309.252)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(36, 124.562, 309.252)

Conversions

Conversions Part 1

Format	Color
Hex	5D02F6
RGB	93, 2, 246
RGB Percent	36%, 1%, 96%
CMY	0.6357, 0.9930, 0.0357
CMYK	0.62, 0.99, 0.00, 0.04
HSL	262°, 99%, 49%
HSV	262°, 99%, 96%
XYZ	21.1423, 9.0082, 87.7396
YIQ	57.0250, -24.0880, 95.1760

Conversions

Conversions Part 2

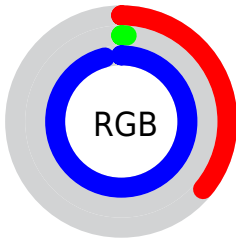
Format	Color
R_{YB}	93, 2, 246
Decimal	6095606
CIE _{Lab}	36.00, 78.81, -96.46
CIE _{LCh}	36, 124.562, 309.252
Yxy	9.0082, 0.1793, 0.0764
Android (android.graphics.Color)	4284285686 (0xFF5D02F6)
YUV	57.0250, 93.1647, 31.5501
Hunter-Lab	30.0136, 73.2156, -152.3145

Details

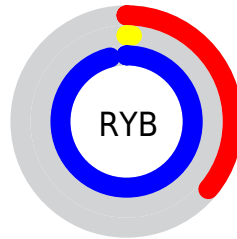
The CIELCh color **36, 124.562, 309.252** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **88, 101.788, 123.424**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 100.480, 311.696**, and **22, 106.414, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **36, 124.915, 309.224**, and if you desaturate by 10%, it is **39, 118.908, 309.638**.

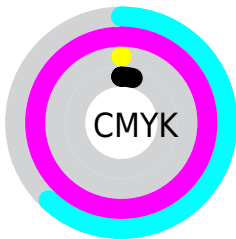
Distribution



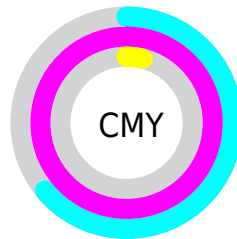
- Red (36%)
- Green (1%)
- Blue (96%)



- Red (36%)
- Yellow (1%)
- Blue (96%)



- Cyan (62%)
- Magenta (99%)
- Yellow (0%)
- Black (4%)





- Cyan (64%)
- Magenta (99%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 124.562, 309.252 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, 124.562, 309.252 by changing the saturation by 10% instead.


 36, 124.562,
309.252


 36, 124.562,
309.252


 100, 124.562,
309.252


 26, 124.562,
309.252


 56, 124.562,
309.252


 16, 124.562,
309.252


 66, 124.562,
309.252

 6, 124.562,
309.252

 76, 124.562,
309.252

 0, 124.562,
309.252

 86, 124.562,
309.252

 96, 124.562,
309.252

■ 36, 124.562,
309.252

■ 36, 124.562,
309.252

■ 36, 124.915,
309.224

■ 39, 118.908,
309.638

■ 43, 109.593,
309.568

■ 49, 97.413,
309.130

■ 55, 83.599,
308.479

■ 61, 69.084,
307.739

■ 68, 54.447,
306.987

■ 76, 40.009,
306.269

■ 83, 25.928,

305.606

■ 90, 12.275,
305.007

Harmonies

Complementary

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



36, 124.562, 309.252



88, 101.788, 123.424

Rectangle

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



36, 124.562, 309.252



36, 124.562, 359.252



36, 124.562, 129.252



36, 124.562, 179.252

Sweetspot

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



36, 124.564, 309.253



78, 42.271, 306.323



62, 54.041, 268.115



38, 29.020, 306.622



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, 124.564, 309.253



37, 128.428, 309.204



53, 113.460, 323.047



47, 7.495, 305.019



26, 101.143, 309.400



4, 41.101, 308.681

Inverse Universe

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



54, 85.810, 350.984



56, 88.184, 351.247



85, 115.412, 135.426



48, 6.738, 338.071



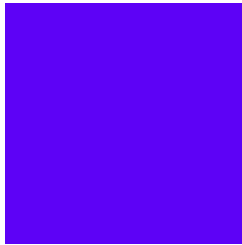
41, 69.861, 350.646



9, 31.920, 346.696

Previews

White Background



This preview shows how the CIELCh color 36, 124.562, 309.252 looks on a white background.

Color Contrast Check

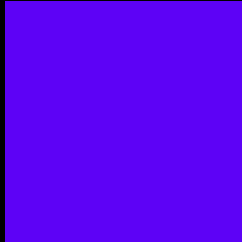
Large Text (above 18pt) WCAG AA ✓ Pass

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, 124.562, 309.252 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, 124.562, 309.252

Background



This preview shows how black text looks on a background with the CIELCh color 36, 124.562, 309.252.



This preview shows how white text looks on a background with the CIELCh color 36, 124.562, 309.252.

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, 124.562, 309.252

Protanopia

36, 56.505, 286.039

Deuteranopia

36, 39.148, 272.128



Tritanopia
36, 23.526, 207.399

Trichromacy



Original Color
36, 124.562, 309.252

Protanomaly
32, 90.028, 301.238

Deuteranomaly
31, 78.919, 299.312

Tritanomaly
29, 59.077, 294.741

Monochromacy



Original Color
36, 124.562, 309.252

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 57.691, 308.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 124.562, 309.252 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, 2, 246)` looks like.

```
.text, #text, p{  
    color:rgb(93, 2, 246)  
}
```

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, 2, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 2, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 124.562, 309.252 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, 2, 246) }
```

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

```
.border{ border-color:rgb(93, 2, 246) }
```

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

Here you see how a box with a 4 pixel rgb(93, 2, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 2, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 2, 246);  
box-shadow:4px 4px 4px 4px rgb(93, 2, 246)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 124.562, 309.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 2, 246) }
```

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

```
.background{ background-color: rgb(93, 2,  
246) }
```

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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