

Converting Colors

CIELCh(36, 125.979, 307.943)

Have a look what the booklet for
CIELCh(36, 125.979, 307.943)
contains.

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Color

CIELCh(36, 125.869, 307.952)

Conversions

Conversions Part 1

Format	Color
Hex	5010FB
RGB	80, 16, 251
RGB Percent	31%, 6%, 98%
CMY	0.6873, 0.9386, 0.0164
CMYK	0.68, 0.94, 0.00, 0.02
HSL	256°, 97%, 52%
HSV	256°, 94%, 98%
XYZ	20.8495, 9.0082, 91.7505
YIQ	61.9260, -37.2910, 86.6530

Conversions

Conversions Part 2

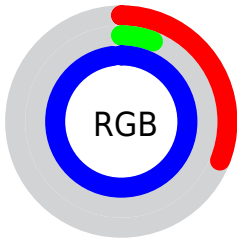
Format	Color
R _Y B	80, 16, 251
Decimal	5247227
CIE Lab	36.00, 77.41, -99.25
CIE LCh	36, 125.869, 307.952
Yxy	9.0082, 0.1714, 0.0741
Android (android.graphics.Color)	4283437307 (0xFF5010FB)
YUV	61.9260, 93.2135, 15.8509
Hunter-Lab	30.0136, 71.4745, -160.2380

Details

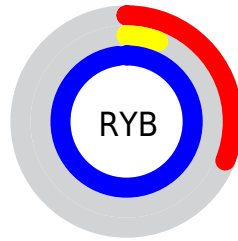
The CIELCh color **36, 125.869, 307.952** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **91, 98.634, 118.152**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 98.723, 309.960**, and **23, 108.515, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **34, 129.098, 307.831**, and if you desaturate by 10%, it is **40, 117.605, 307.795**.

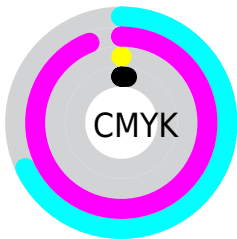
Distribution



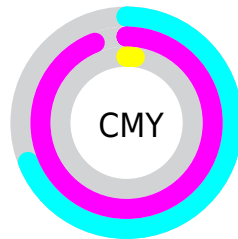
- Red (31%)
- Green (6%)
- Blue (98%)



- Red (31%)
- Yellow (6%)
- Blue (98%)



- Cyan (68%)
- Magenta (94%)
- Yellow (0%)
- Black (2%)





- Cyan (69%)
- Magenta (94%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 125.869, 307.952 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, 125.869, 307.952 by changing the saturation by 10% instead.


 36, 125.869,
307.952


 36, 125.869,
307.952


 100, 125.869,
307.952


 26, 125.869,
307.952


 56, 125.869,
307.952


 16, 125.869,
307.952


 66, 125.869,
307.952

 6, 125.869,
307.952

 76, 125.869,
307.952

 0, 125.869,
307.952

 86, 125.869,
307.952

 96, 125.869,
307.952

■ 36, 125.869,
307.952

■ 36, 125.869,
307.952

■ 34, 129.098,
307.831

■ 40, 117.605,
307.795

■ 45, 105.682,
307.161

■ 51, 91.635,
306.253

■ 58, 76.693,
305.238

■ 65, 61.604,
304.227

■ 73, 46.756,
303.279

■ 81, 32.327,
302.420

■ 88, 18.382,

301.657

■ 96, 4.937, 300.984

Harmonies

Complementary

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



36, 125.869, 307.952



91, 98.634, 118.152

Rectangle

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



36, 125.869, 307.952



36, 125.869, 357.952



36, 125.869, 127.952



36, 125.869, 177.952

Sweetspot

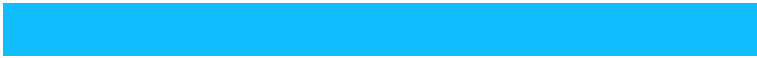
The Sweet Spot groups the original color and five complimentary colors.



36, 125.871, 307.953



78, 38.912, 302.774



72, 45.165, 247.623



39, 27.069, 303.151



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, 125.871, 307.953



35, 130.742, 307.824



51, 115.291, 319.766



48, 7.515, 301.361



25, 104.040, 307.975



4, 42.759, 306.573

Inverse Universe

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



56, 92.413, 342.191



57, 93.646, 343.290



87, 113.675, 134.065



49, 7.362, 333.805



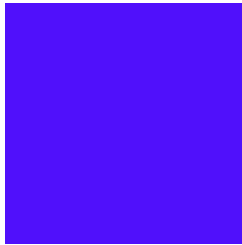
42, 74.926, 342.937



10, 34.717, 340.599

Previews

White Background



This preview shows how the CIE LCh color 36, 125.869, 307.952 looks on a white background.

Color Contrast Check

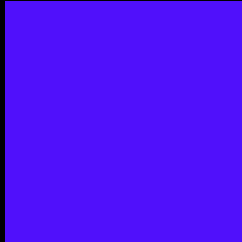
Large Text (above 18pt) WCAG AA ✓ Pass

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, 125.869, 307.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

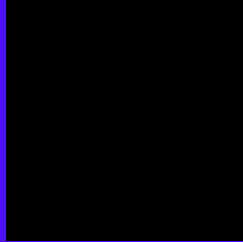
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 125.869, 307.952

Background



This preview shows how black text looks on a background with the CIELCh color 36, 125.869, 307.952.



This preview shows how white text looks on a background with the CIELCh color 36, 125.869, 307.952.

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, 125.869, 307.952

Protanopia

36, 55.433, 285.745

Deuteranopia

36, 38.625, 271.885



Tritanopia
36, 23.416, 205.874

Trichromacy



Original Color
36, 125.869, 307.952

Protanomaly
33, 87.111, 299.910

Deuteranomaly
32, 76.432, 297.874

Tritanomaly
31, 56.350, 292.073

Monochromacy



Original Color
36, 125.869, 307.952

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 55.573, 306.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 125.869, 307.952 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(80, 16, 251)` looks like.

```
.text, #text, p{  
    color:rgb(80, 16, 251)  
}
```

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(80, 16, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 16, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 125.869, 307.952 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(80, 16, 251) }
```

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

```
.border{ border-color:rgb(80, 16, 251) }
```

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

Here you see how a box with a 4 pixel rgb(80, 16, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 16, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 16, 251);  
box-shadow:4px 4px 4px 4px rgb(80, 16,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 125.869, 307.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 16, 251) }
```

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

```
.background{ background-color: rgb(80, 16,  
251) }
```

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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