

Converting Colors

CIELCh(36, 128.895, 308.600)

Have a look what the booklet for
CIELCh(36, 128.895, 308.600)
contains.

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Color

CIELCh(36, 128.656, 308.582)

Conversions

Conversions Part 1

Format	Color
Hex	5400FD
RGB	84, 0, 253
RGB Percent	33%, 0%, 99%
CMY	0.6696, 0.9985, 0.0071
CMYK	0.67, 1.00, 0.00, 0.01
HSL	260°, 100%, 50%
HSV	260°, 100%, 99%
XYZ	21.4409, 9.0082, 93.6896
YIQ	53.9580, -31.1490, 96.4910

Conversions

Conversions Part 2

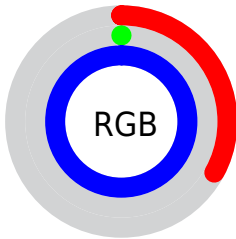
Format	Color
R_{YB}	84, 0, 253
Decimal	5505277
CIE _{Lab}	36.00, 80.23, -100.57
CIE _{LCh}	36, 128.656, 308.582
Yxy	9.0082, 0.1727, 0.0726
Android (android.graphics.Color)	4283695357 (0xFF5400FD)
YUV	53.9580, 98.1277, 26.3468
Hunter-Lab	30.0136, 74.9919, -164.0684

Details

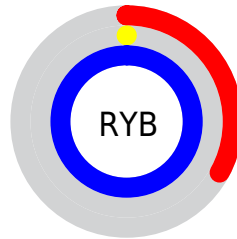
The CIELCh color **36, 128.656, 308.582** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated blue. A complement of this color would be **91, 102.838, 121.657**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 100.653, 310.808**, and **23, 108.935, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **36, 128.732, 308.579**, and if you desaturate by 10%, it is **39, 122.939, 308.887**.

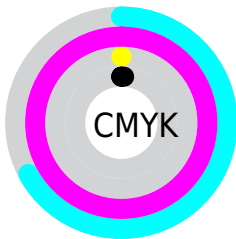
Distribution



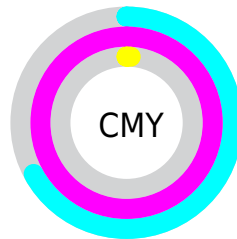
- Red (33%)
- Green (0%)
- Blue (99%)



- Red (33%)
- Yellow (0%)
- Blue (99%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (67%)
- Magenta (100%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 128.656, 308.582 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, 128.656, 308.582 by changing the saturation by 10% instead.


 36, 128.656,
308.582

 36, 128.656,
308.582


 100, 128.656,
308.582


 26, 128.656,
308.582


 56, 128.656,
308.582


 16, 128.656,
308.582


 66, 128.656,
308.582

 6, 128.656,
308.582

 76, 128.656,
308.582

 0, 128.656,
308.582

 86, 128.656,
308.582

 96, 128.656,
308.582

■ 36, 128.656,
308.582

■ 36, 128.656,
308.582

■ 36, 128.732,
308.579

■ 39, 122.939,
308.887

■ 43, 113.371,
308.725

■ 49, 100.755,
308.175

■ 55, 86.453,
307.409

■ 62, 71.472,
306.562

■ 70, 56.418,
305.717

■ 77, 41.614,
304.921

■ 84, 27.212,

304.196

■ 92, 13.274,
303.546

Harmonies

Complementary

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



36, 128.656, 308.582



91, 102.838, 121.657

Rectangle

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



36, 128.656, 308.582



36, 128.656, 358.582



36, 128.656, 128.582



36, 128.656, 178.582

Sweetspot

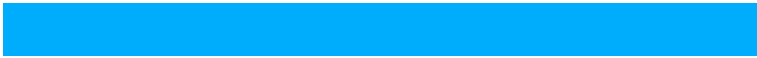
The Sweet Spot groups the original color and five complimentary colors.



36, 128.658, 308.583



77, 42.078, 304.934



67, 50.538, 260.176



38, 28.901, 305.262



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, 128.658, 308.583



36, 129.438, 308.575



52, 116.877, 321.174



49, 7.702, 303.525



26, 104.037, 308.740



5, 44.808, 308.468

Inverse Universe

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



56, 89.707, 347.763



56, 90.189, 347.809



87, 117.469, 135.003



50, 7.176, 336.241



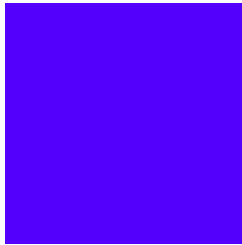
42, 72.885, 347.356



11, 34.368, 344.341

Previews

White Background



This preview shows how the CIELCh color 36, 128.656, 308.582 looks on a white background.

Color Contrast Check

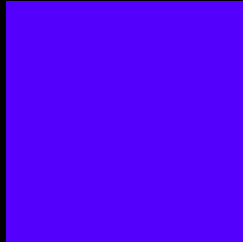
Large Text (above 18pt) WCAG AA ✓ Pass

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, 128.656, 308.582 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, 128.656, 308.582

Background



This preview shows how black text looks on a background with the CIELCh color 36, 128.656, 308.582.



This preview shows how white text looks on a background with the CIELCh color 36, 128.656, 308.582.

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, 128.656, 308.582

Protanopia

36, 55.936, 285.765

Deuteranopia

36, 38.627, 271.540



Tritanopia
36, 23.593, 205.785

Trichromacy



Original Color
36, 128.656, 308.582

Protanomaly
32, 91.152, 301.188

Deuteranomaly
31, 80.720, 299.517

Tritanomaly
29, 60.310, 294.682

Monochromacy



Original Color
36, 128.656, 308.582

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 59.054, 308.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 128.656, 308.582 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(84, 0, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 0, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 128.656, 308.582 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, 253) }
```

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

```
.border{ border-color:rgb(84, 0, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 0, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 0, 253);  
box-shadow:4px 4px 4px 4px rgb(84, 0, 253)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 128.656, 308.582 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, 253) }
```

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

```
.background{ background-color: rgb(84, 0,  
253) }
```

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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