

Converting Colors

CIELCh(37, 125.756, 307.897)

Have a look what the booklet for
CIELCh(37, 125.756, 307.897)
contains.

CIELCh(37, 125.922, 307.879)	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(37, 125.922, 307.879)

Conversions

Conversions Part 1

Format	Color
Hex	5315FE
RGB	83, 21, 254
RGB Percent	33%, 8%, 100%
CMY	0.6743, 0.9175, 0.0038
CMYK	0.67, 0.92, 0.00, 0.00
HSL	256°, 99%, 54%
HSV	256°, 92%, 100%
XYZ	21.7364, 9.5379, 94.4942
YIQ	66.1000, -37.8410, 85.6070

Conversions

Conversions Part 2

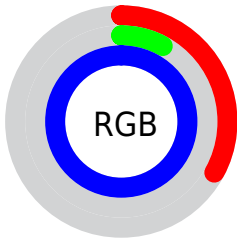
Format	Color
R_{YB}	83, 21, 254
Decimal	5445118
CIE _{Lab}	37.00, 77.32, -99.39
CIE _{LCh}	37, 125.922, 307.879
Yxy	9.5379, 0.1728, 0.0758
Android (android.graphics.Color)	4283635198 (0xFF5315FE)
YUV	66.1000, 92.6347, 14.8213
Hunter-Lab	30.8835, 71.5853, -159.7909

Details

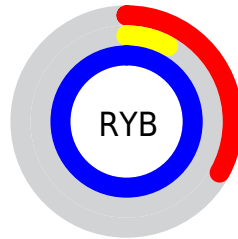
The CIELCh color **37, 125.922, 307.879** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **93, 98.764, 117.662**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 97.120, 309.935**, and **23, 109.353, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **35, 130.494, 307.754**, and if you desaturate by 10%, it is **41, 116.694, 307.590**.

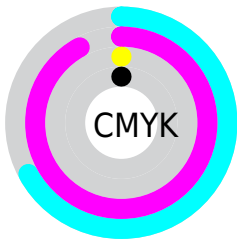
Distribution



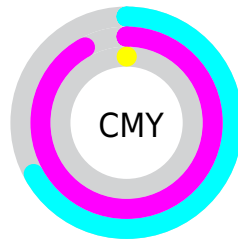
- Red (33%)
- Green (8%)
- Blue (100%)



- Red (33%)
- Yellow (8%)
- Blue (100%)



- Cyan (67%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (92%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 125.922, 307.879 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 37, 125.922, 307.879 by changing the saturation by 10% instead.


 37, 125.922,
307.879


 37, 125.922,
307.879


 100, 125.922,
307.879


 27, 125.922,
307.879


 57, 125.922,
307.879


 17, 125.922,
307.879


 67, 125.922,
307.879

 7, 125.922,
307.879

 77, 125.922,
307.879

 0, 125.922,
307.879

 87, 125.922,
307.879

 97, 125.922,
307.879

■ 37, 125.922,
307.879

■ 37, 125.922,
307.879

■ 35, 130.494,
307.754

■ 41, 116.694,
307.590

■ 47, 104.057,
306.861

■ 53, 89.563,
305.895

■ 60, 74.366,
304.852

■ 68, 59.135,
303.831

■ 75, 44.206,
302.885

■ 83, 29.726,
302.033

■ 91, 15.746,

301.280

98, 2.272, 300.608

Harmonies

Complementary

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



37, 125.922, 307.879



93, 98.764, 117.662

Rectangle

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



37, 125.922, 307.879



37, 125.922, 357.879



37, 125.922, 127.879



37, 125.922, 177.879

Sweetspot

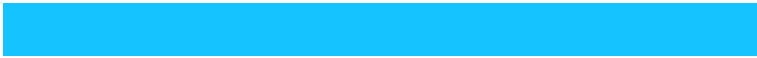
The Sweet Spot groups the original color and five complimentary colors.



37, 125.924, 307.880



78, 38.890, 302.557



74, 44.470, 243.394



39, 27.055, 302.940



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37, 125.924, 307.880



35, 130.871, 307.753



51, 115.958, 319.321



49, 7.635, 301.126



25, 105.203, 307.893



4, 44.690, 306.934

Inverse Universe

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



57, 93.543, 341.453



57, 94.057, 342.829



88, 113.541, 133.688



50, 7.520, 333.555



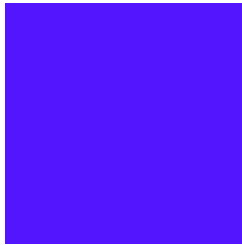
43, 75.996, 342.506



11, 35.753, 340.346

Previews

White Background



This preview shows how the CIELCh color 37, 125.922, 307.879 looks on a white background.

Color Contrast Check

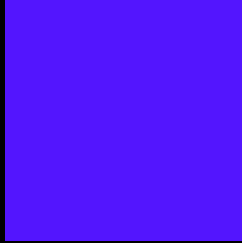
Large Text (above 18pt) WCAG AA ✓ Pass

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 37, 125.922, 307.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

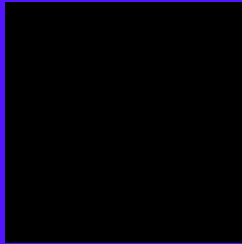
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 125.922, 307.879

Background



This preview shows how black text looks on a background with the CIELCh color 37, 125.922, 307.879.



This preview shows how white text looks on a background with the CIELCh color 37, 125.922, 307.879.

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

37, 125.922, 307.879

Protanopia

37, 57.005, 286.055

Deuteranopia

37, 39.149, 271.787



Tritanopia
37, 23.770, 205.697

Trichromacy



Original Color
37, 125.922, 307.879

Protanomaly
34, 87.386, 299.547

Deuteranomaly
33, 76.136, 297.360

Tritanomaly
32, 55.491, 291.154

Monochromacy



Original Color
37, 125.922, 307.879

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 53.981, 305.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 125.922, 307.879 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(83, 21, 254)` looks like.

```
.text, #text, p{  
    color:rgb(83, 21, 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(83, 21, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 21, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 125.922, 307.879 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(83, 21, 254) }
```

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

```
.border{ border-color:rgb(83, 21, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 21, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 21, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 21, 254);  
box-shadow:4px 4px 4px 4px rgb(83, 21,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 125.922, 307.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 21, 254) }
```

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

```
.background{ background-color: rgb(83, 21,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor