

Converting Colors

CIELCh(37, 107.772, 301.348)

Have a look what the booklet for
CIELCh(37, 107.772, 301.348)
contains.

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Color

CIELCh(37, 108.006, 301.397)

Conversions

Conversions Part 1

Format	Color
Hex	083BF1
RGB	8, 59, 241
RGB Percent	3%, 23%, 95%
CMY	0.9703, 0.7684, 0.0546
CMYK	0.97, 0.76, 0.00, 0.05
HSL	227°, 94%, 49%
HSV	227°, 97%, 95%
XYZ	17.5494, 9.5379, 84.1940
YIQ	64.4990, -88.8180, 45.7900

Conversions

Conversions Part 2

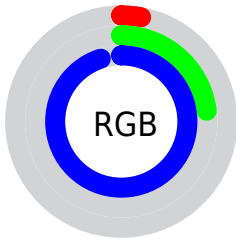
Format	Color
R _Y B	8, 50, 241
Decimal	539633
CIE Lab	37.00, 56.27, -92.19
CIE LCh	37, 108.006, 301.397
Yxy	9.5379, 0.1577, 0.0857
Android (android.graphics.Color)	4278729713 (0xFF083BF1)
YUV	64.4990, 87.0150, -49.5496
Hunter-Lab	30.8835, 47.3855, -140.0167

Details

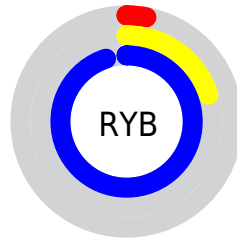
The CIELCh color **37, 108.006, 301.397** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark saturated blue. A complement of this color would be **79, 80.554, 86.289**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 83.998, 300.234**, and **23, 100.758, 305.331** is the 20% darker color. If you saturate the color by 10%, you get **36, 111.254, 302.192**, and if you desaturate by 10%, it is **41, 96.690, 298.485**.

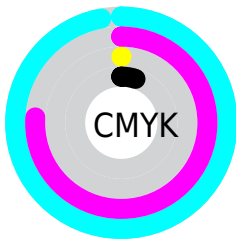
Distribution



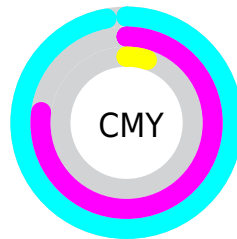
- Red (3%)
- Green (23%)
- Blue (95%)



- Red (3%)
- Yellow (20%)
- Blue (95%)



- Cyan (97%)
- Magenta (76%)
- Yellow (0%)
- Black (5%)





- Cyan (97%)
- Magenta (77%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 108.006, 301.397 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, 108.006, 301.397 by changing the saturation by 10% instead.


 37, 108.006,
301.397


 37, 108.006,
301.397


 100, 108.006,
301.397


 27, 108.006,
301.397


 57, 108.006,
301.397


 17, 108.006,
301.397


 67, 108.006,
301.397

 7, 108.006,
301.397

 77, 108.006,
301.397

 0, 108.006,
301.397

 87, 108.006,
301.397

 97, 108.006,
301.397

■ 37,108.006,
301.397

■ 37,108.006,
301.397

■ 36,111.254,
302.192

■ 41,96.690,
298.485

■ 47,84.593,
295.368

■ 52,72.447,
292.312

■ 58,60.589,
289.490

■ 65,49.121,
286.982

■ 71,38.039,
284.805

■ 78,27.311,
282.937

■ 84,16.903,

281.343

■ 91, 6.790, 279.994

Harmonies

Complementary

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



37, 108.006, 301.397



79, 80.554, 86.289

Rectangle

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



37, 108.006, 301.397



37, 108.006, 351.397



37, 108.006, 121.397



37, 108.006, 171.397

Sweetspot

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



37, 108.008, 301.398



80, 30.960, 283.328



85, 61.725, 167.864



40, 21.378, 284.118



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, 108.008, 301.398



38, 116.394, 302.273



34, 123.789, 307.823



47, 5.615, 280.323



27, 89.325, 301.724



5, 32.005, 294.289

Inverse Universe

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



51, 86.850, 27.220



54, 92.627, 29.071



88, 96.334, 118.145



47, 5.199, 2.538



38, 71.643, 27.846



8, 28.945, 14.609

Previews

White Background



This preview shows how the CIELCh color 37, 108.006, 301.397 looks on a white background.

Color Contrast Check

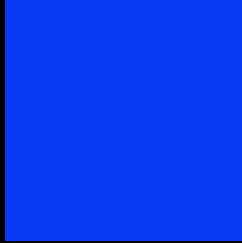
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.006, 301.397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

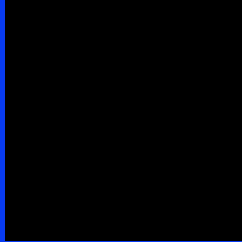
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 108.006, 301.397

Background



This preview shows how black text looks on a background with the CIELCh color 37, 108.006, 301.397.



This preview shows how white text looks on a background with the CIELCh color 37, 108.006, 301.397.

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, 107.998, 301.410

Protanopia

37, 57.074, 286.307

Deuteranopia

37, 39.149, 271.787



Tritanopia
37, 23.854, 204.109

Trichromacy



Original Color
37, 107.998, 301.410

Protanomaly
36, 76.558, 294.583

Deuteranomaly
36, 64.297, 290.378

Tritanomaly
35, 44.049, 278.583

Monochromacy



Original Color
37, 107.998, 301.410

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 42.524, 291.120

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 108.006, 301.397 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(8, 59, 241)` looks like.

```
.text, #text, p{  
    color:rgb(8, 59, 241)  
}
```

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(8, 59, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 59, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 108.006, 301.397 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(8, 59, 241) }
```

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

```
.border{ border-color:rgb(8, 59, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 59, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 59, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 59, 241);  
box-shadow:4px 4px 4px 4px rgb(8, 59, 241)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 108.006, 301.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 59, 241) }
```

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

```
.background{ background-color: rgb(8, 59,  
241) }
```

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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