

Converting Colors

CIELCh(36, 110.003, 301.894)

Have a look what the booklet for
CIELCh(36, 110.003, 301.894)
contains.

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Color

CIELCh(36, 109.753, 301.881)

Conversions

Conversions Part 1

Format	Color
Hex	0037F0
RGB	0, 55, 240
RGB Percent	0%, 22%, 94%
CMY	1.0000, 0.7846, 0.0592
CMYK	1.00, 0.77, 0.00, 0.06
HSL	226°, 100%, 47%
HSV	226°, 100%, 94%
XYZ	17.0710, 9.0082, 83.2082
YIQ	59.6450, -92.1650, 45.8750

Conversions

Conversions Part 2

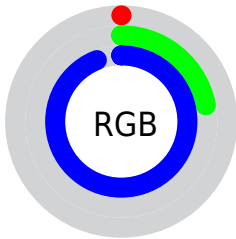
Format	Color
R _Y B	0, 45, 240
Decimal	14320
CIE Lab	36.00, 57.97, -93.20
CIE LCh	36, 109.753, 301.881
Yxy	9.0082, 0.1562, 0.0824
Android (android.graphics.Color)	4278204400 (0xFF0037F0)
YUV	59.6450, 88.9150, -52.3087
Hunter-Lab	30.0136, 49.0028, -143.3632

Details

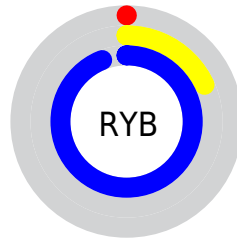
The CIELCh color **36, 109.753, 301.881** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark saturated blue. A complement of this color would be **78, 80.521, 84.980**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 86.450, 300.934**, and **22, 101.869, 305.750** is the 20% darker color. If you saturate the color by 10%, you get **36, 109.750, 301.889**, and if you desaturate by 10%, it is **40, 98.880, 299.068**.

Distribution



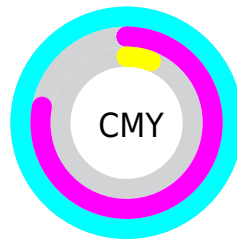
- Red (0%)
- Green (22%)
- Blue (94%)



- Red (0%)
- Yellow (18%)
- Blue (94%)



- Cyan (100%)
- Magenta (77%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (78%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 109.753, 301.881 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, 109.753, 301.881 by changing the saturation by 10% instead.


 36, 109.753,
301.881


 36, 109.753,
301.881


 100, 109.753,
301.881


 26, 109.753,
301.881


 56, 109.753,
301.881


 16, 109.753,
301.881


 66, 109.753,
301.881

 6, 109.753,
301.881

 76, 109.753,
301.881

 0, 109.753,
301.881

 86, 109.753,
301.881

 96, 109.753,
301.881

■ 36, 109.753,
301.881

■ 36, 109.753,
301.881

■ 36, 109.750,
301.889

■ 40, 98.880,
299.068

■ 45, 87.055,
295.935

■ 51, 75.056,
292.805

■ 57, 63.290,
289.875

■ 63, 51.893,
287.248

■ 69, 40.876,
284.954

■ 75, 30.211,
282.982

■ 82, 19.862,

281.297

■ 88, 9.802, 279.865

Harmonies

Complementary

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



36, 109.753, 301.881



78, 80.521, 84.980

Rectangle

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



36, 109.753, 301.881



36, 109.753, 351.881



36, 109.753, 121.881



36, 109.753, 171.881

Sweetspot

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



36, 109.750, 301.889



80, 31.747, 283.000



85, 62.260, 167.246



40, 21.792, 283.798



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, 109.750, 301.889



38, 115.275, 301.979



33, 124.910, 307.785



47, 5.562, 279.796



27, 88.435, 301.415



5, 31.756, 294.053

Inverse Universe

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



50, 87.812, 28.209



54, 92.113, 28.409



88, 96.767, 118.449



47, 5.216, 1.910



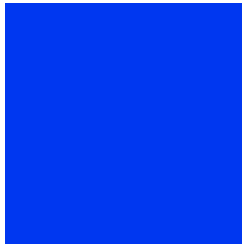
38, 71.265, 27.174



8, 28.923, 14.197

Previews

White Background



This preview shows how the CIE LCh color 36, 109.753, 301.881 looks on a white background.

Color Contrast Check

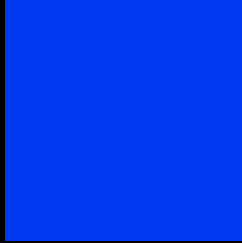
Large Text (above 18pt) WCAG AA ✓ Pass

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, 109.753, 301.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

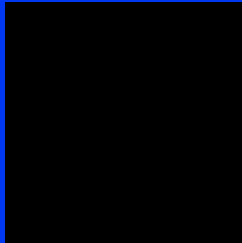
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 109.753, 301.881

Background



This preview shows how black text looks on a background with the CIELCh color 36, 109.753, 301.881.



This preview shows how white text looks on a background with the CIELCh color 36, 109.753,

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, 109.753, 301.881

Protanopia

36, 56.072, 286.279

Deuteranopia

36, 38.104, 271.284



Tritanopia
36, 23.597, 202.649

Trichromacy



Original Color
36, 109.753, 301.881

Protanomaly
35, 76.214, 294.746

Deuteranomaly
35, 65.155, 291.133

Tritanomaly
34, 44.751, 279.758

Monochromacy



Original Color
36, 109.753, 301.881

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 43.538, 291.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 109.753, 301.881 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(0, 55, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 55, 240)  
}
```

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(0, 55, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 55, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 109.753, 301.881 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(0, 55, 240) }
```

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

```
.border{ border-color:rgb(0, 55, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 55, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 55, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 55, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 55, 240)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 109.753, 301.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 55, 240) }
```

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

```
.background{ background-color: rgb(0, 55,  
240) }
```

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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