

Converting Colors

CIELCh(40, 105.681, 300.094)

Have a look what the booklet for
CIELCh(40, 105.681, 300.094)
contains.

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Color

CIELCh(40, 105.700, 300.058)

Conversions

Conversions Part 1

Format	Color
Hex	0D46F9
RGB	13, 70, 249
RGB Percent	5%, 27%, 98%
CMY	0.9482, 0.7266, 0.0249
CMYK	0.95, 0.72, 0.00, 0.02
HSL	226°, 95%, 51%
HSV	226°, 95%, 98%
XYZ	19.3864, 11.2510, 90.4900
YIQ	73.3630, -91.4310, 43.5850

Conversions

Conversions Part 2

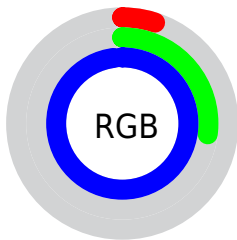
Format	Color
R_{YB}	13, 59, 249
Decimal	870137
CIE _{Lab}	40.00, 52.94, -91.49
CIE _{LCh}	40, 105.700, 300.058
Yxy	11.2510, 0.1600, 0.0929
Android (android.graphics.Color)	4279060217 (0xFF0D46F9)
YUV	73.3630, 86.5890, -52.9384
Hunter-Lab	33.5425, 44.4674, -136.4712

Details

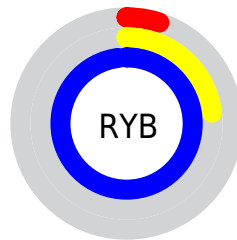
The CIELCh color **40, 105.700, 300.058** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark saturated blue. A complement of this color would be **81, 81.485, 84.938**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 77.222, 297.962**, and **25, 100.176, 304.262** is the 20% darker color. If you saturate the color by 10%, you get **38, 111.482, 301.537**, and if you desaturate by 10%, it is **45, 93.954, 296.946**.

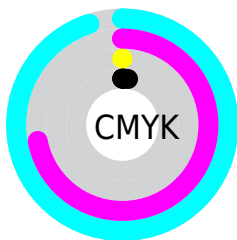
Distribution



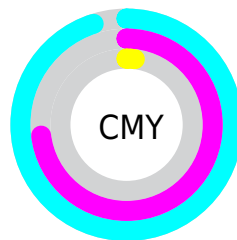
- Red (5%)
- Green (27%)
- Blue (98%)



- Red (5%)
- Yellow (23%)
- Blue (98%)



- Cyan (95%)
- Magenta (72%)
- Yellow (0%)
- Black (2%)





- Cyan (95%)
- Magenta (73%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 105.700, 300.058 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 40, 105.700, 300.058 by changing the saturation by 10% instead.


 40, 105.700,
300.058


 40, 105.700,
300.058


 100, 105.700,
300.058


 30, 105.700,
300.058


 60, 105.700,
300.058


 20, 105.700,
300.058

 70, 105.700,
300.058

 10, 105.700,
300.058

 80, 105.700,
300.058

 0, 105.700,
300.058

 90, 105.700,
300.058

 40, 105.700,

 40, 105.700,

300.058

300.058

■ 38, 111.482,
301.537

■ 45, 93.954,
296.946

■ 50, 81.778,
293.727

■ 56, 69.723,
290.639

■ 62, 58.009,
287.827

■ 69, 46.679,
285.349

■ 75, 35.711,
283.206

■ 82, 25.068,
281.372

■ 88, 14.721,
279.809

Harmonies

Complementary

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



40, 105.700, 300.058



81, 81.485, 84.938

Rectangle

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



40, 105.700, 300.058



40, 105.700, 350.058



40, 105.700, 120.058



40, 105.700, 170.058

Sweetspot

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



40, 105.701, 300.059



81, 29.152, 281.955



88, 63.994, 166.764



40, 20.246, 282.753



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



40, 105.701, 300.059



39, 113.770, 301.575



35, 125.991, 307.659



49, 5.685, 279.095



28, 89.200, 301.048



6, 34.591, 295.599

Inverse Universe

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



53, 86.806, 24.501



54, 91.455, 27.520



91, 97.653, 117.105



49, 5.422, 1.098



40, 72.304, 26.393



9, 30.804, 15.695

Previews

White Background



This preview shows how the CIELCh color 40, 105.700, 300.058 looks on a white background.

Color Contrast Check

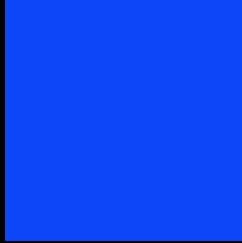
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 40, 105.700, 300.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

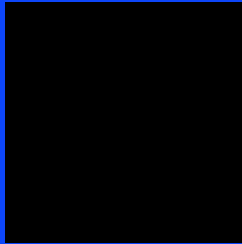
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 105.700, 300.058

Background



This preview shows how black text looks on a background with the CIELCh color 40, 105.700, 300.058.



This preview shows how white text looks on a background with the CIELCh color 40, 105.700, 300.058.

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


40, 105.718, 300.026

Protanopia

40, 60.548, 286.396

Deuteranopia

39, 41.738, 272.287



Tritanopia
40, 25.266, 203.574

Trichromacy



Original Color
40, 105.718, 300.026

Protanomaly
39, 77.356, 293.366

Deuteranomaly
39, 65.320, 289.265

Tritanomaly
38, 43.271, 275.400

Monochromacy



Original Color
40, 105.718, 300.026

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 41.104, 289.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 105.700, 300.058 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(13, 70, 249)` looks like.

```
.text, #text, p{  
    color:rgb(13, 70, 249)  
}
```

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(13, 70, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 70, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 105.700, 300.058 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(13, 70, 249) }
```

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

```
.border{ border-color:rgb(13, 70, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 70, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 70, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 70, 249);  
box-shadow:4px 4px 4px 4px rgb(13, 70,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 105.700, 300.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 70, 249) }
```

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

```
.background{ background-color: rgb(13, 70,  
249) }
```

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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