

Converting Colors

CIELCh(40, 110.548, 300.777)

Have a look what the booklet for
CIELCh(40, 110.548, 300.777)
contains.

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Color

CIELCh(40, 110.512, 300.764)

Conversions

Conversions Part 1

Format	Color
Hex	0643FF
RGB	6, 67, 255
RGB Percent	2%, 26%, 100%
CMY	0.9761, 0.7377, 0.0006
CMYK	0.98, 0.74, 0.00, 0.00
HSL	225°, 100%, 51%
HSV	225°, 98%, 100%
XYZ	20.1034, 11.2510, 95.6010
YIQ	70.1930, -96.7040, 45.5360

Conversions

Conversions Part 2

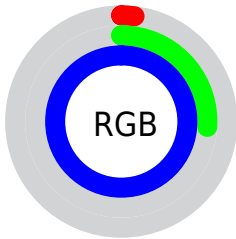
Format	Color
R _Y B	6, 55, 255
Decimal	410623
CIE Lab	40.00, 56.53, -94.96
CIE LCh	40, 110.512, 300.764
Yxy	11.2510, 0.1583, 0.0886
Android (android.graphics.Color)	4278600703 (0xFF0643FF)
YUV	70.1930, 91.1099, -56.2973
Hunter-Lab	33.5425, 48.2829, -145.5055

Details

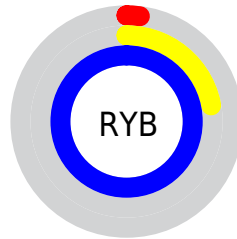
The CIELCh color **40, 110.512, 300.764** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **82, 83.412, 83.958**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 79.054, 298.867**, and **26, 104.507, 304.812** is the 20% darker color. If you saturate the color by 10%, you get **39, 113.122, 301.411**, and if you desaturate by 10%, it is **45, 98.846, 297.712**.

Distribution



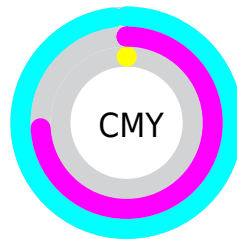
- Red (2%)
- Green (26%)
- Blue (100%)



- Red (2%)
- Yellow (22%)
- Blue (100%)



- Cyan (98%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (74%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 110.512, 300.764 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, 110.512, 300.764 by changing the saturation by 10% instead.


 40, 110.512,
300.764


 40, 110.512,
300.764


 100, 110.512,
300.764


 30, 110.512,
300.764


 60, 110.512,
300.764


 20, 110.512,
300.764


 70, 110.512,
300.764


 10, 110.512,
300.764

 80, 110.512,
300.764

 0, 110.512,
300.764

 90, 110.512,
300.764

 40, 110.512,

 40, 110.512,

300.764

300.764

■ 39, 113.122,
301.411

■ 45, 98.846,
297.712

■ 50, 86.539,
294.470

■ 56, 74.248,
291.304

■ 62, 62.266,
288.384

■ 68, 50.671,
285.792

■ 75, 39.448,
283.542

■ 82, 28.563,
281.612

■ 88, 17.980,
279.966

Harmonies

Complementary

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



40, 110.512, 300.764



82, 83.412, 83.958

Rectangle

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



40, 110.512, 300.764



40, 110.512, 350.764



40, 110.512, 120.764



40, 110.512, 170.764

Sweetspot

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



40, 110.514, 300.765



81, 30.076, 281.863



90, 66.028, 166.129



40, 20.758, 282.667



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, 110.514, 300.765



39, 113.172, 301.412



35, 129.930, 307.607



50, 5.752, 278.817



29, 89.689, 300.906



7, 35.895, 296.108

Inverse Universe

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



54, 89.848, 25.859



54, 91.204, 27.167



93, 100.253, 117.398



50, 5.523, 0.783



40, 72.871, 26.094



10, 31.730, 16.325

Previews

White Background



This preview shows how the CIELCh color 40, 110.512, 300.764 looks on a white background.

Color Contrast Check

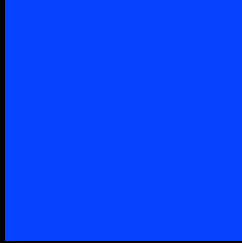
Large Text (above 18pt) WCAG AA ✓ Pass

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, 110.512, 300.764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

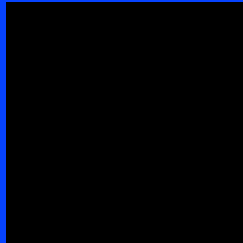
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 110.512, 300.764

Background



This preview shows how black text looks on a background with the CIELCh color 40, 110.512, 300.764.



This preview shows how white text looks on a background with the CIELCh color 40, 110.512, 300.764.

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, 110.520, 300.753

Protanopia

40, 60.548, 286.396

Deuteranopia

39, 41.738, 272.287

Trichromacy



Original Color
40, 110.520, 300.753

Protanomaly
39, 79.130, 293.876

Deuteranomaly
39, 67.113, 289.970

Monochromacy



Original Color
40, 110.520, 300.753

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 43.193, 289.879

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 110.512, 300.764 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(6, 67, 255)` looks like.

```
.text, #text, p{  
    color:rgb(6, 67, 255)  
}
```

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(6, 67, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 67, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 110.512, 300.764 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(6, 67, 255) }
```

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

```
.border{ border-color:rgb(6, 67, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 67, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 67, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 67, 255);  
box-shadow:4px 4px 4px 4px rgb(6, 67, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 110.512, 300.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 67, 255) }
```

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

```
.background{ background-color: rgb(6, 67,  
255) }
```

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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