

Converting Colors

CIELCh(40, 113.200, 302.383)

Have a look what the booklet for
CIELCh(40, 113.200, 302.383)
contains.

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Color

CIELCh(40, 112.700, 302.345)

Conversions

Conversions Part 1

Format	Color
Hex	2C3EFF
RGB	44, 62, 255
RGB Percent	17%, 24%, 100%
CMY	0.8281, 0.7557, 0.0000
CMYK	0.83, 0.76, 0.00, 0.00
HSL	235°, 100%, 59%
HSV	235°, 83%, 100%
XYZ	20.8761, 11.2510, 95.9800
YIQ	78.6200, -72.6810, 56.2070

Conversions

Conversions Part 2

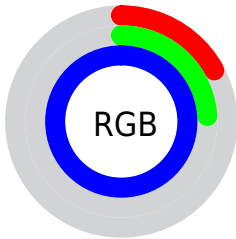
Format	Color
R _Y B	44, 61, 255
Decimal	2899711
CIE _L ab	40.00, 60.30, -95.21
CIE _L Ch	40, 112.700, 302.345
Yxy	11.2510, 0.1630, 0.0878
Android (android.graphics.Color)	4281089791 (0xFF2C3EFF)
YUV	78.6200, 86.9553, -30.3617
Hunter-Lab	33.5425, 52.3951, -146.1755

Details

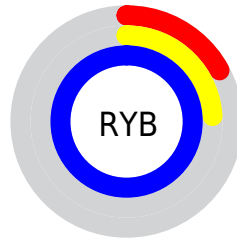
The CIELCh color **40, 112.700, 302.345** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **92, 86.052, 98.045**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 81.382, 301.576**, and **25, 107.255, 305.542** is the 20% darker color. If you saturate the color by 10%, you get **36, 124.040, 304.404**, and if you desaturate by 10%, it is **46, 98.584, 299.863**.

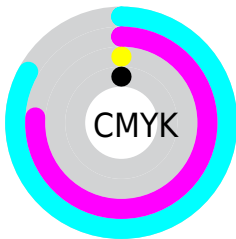
Distribution



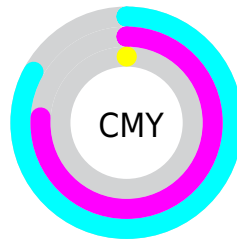
- Red (17%)
- Green (24%)
- Blue (100%)



- Red (17%)
- Yellow (24%)
- Blue (100%)



- Cyan (83%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)





- Cyan (83%)
- Magenta (76%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 112.700, 302.345 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, 112.700, 302.345 by changing the saturation by 10% instead.


 40, 112.700,
302.345


 40, 112.700,
302.345


 100, 112.700,
302.345


 30, 112.700,
302.345


 60, 112.700,
302.345


 20, 112.700,
302.345


 70, 112.700,
302.345


 10, 112.700,
302.345

 80, 112.700,
302.345

 0, 112.700,
302.345

 90, 112.700,
302.345

 40, 112.700,

 40, 112.700,

302.345

302.345

■ 36, 124.040,
304.404

■ 46, 98.584,
299.863

■ 34, 129.788,
305.443

■ 52, 83.830,
297.308

■ 60, 69.161,
294.893

■ 67, 54.942,
292.729

■ 75, 41.270,
290.849

■ 83, 28.139,
289.240

■ 90, 15.514,
287.873

■ 98, 3.354, 286.737

100, 0.012,
296.813

Harmonies

Complementary

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



40, 112.700, 302.345



92, 86.052, 98.045

Rectangle

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



40, 112.700, 302.345



40, 112.700, 352.345



40, 112.700, 122.345



40, 112.700, 172.345

Sweetspot

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



40, 112.526, 302.335



81, 30.965, 289.570



91, 52.403, 184.010



40, 21.270, 290.125



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, 112.526, 302.335



34, 129.128, 305.330



44, 116.175, 310.210



49, 6.843, 287.470



24, 103.657, 305.206



4, 41.349, 300.207

Inverse Universe

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



55, 87.465, 29.980



53, 100.275, 36.947



92, 98.244, 122.964



50, 5.279, 12.887



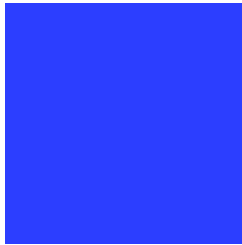
40, 80.563, 36.568



10, 32.689, 23.636

Previews

White Background



This preview shows how the CIELCh color 40, 112.700, 302.345 looks on a white background.

Color Contrast Check

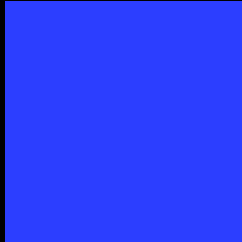
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 40, 112.700, 302.345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

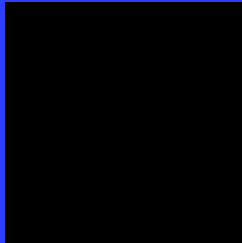
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 112.700, 302.345

Background



This preview shows how black text looks on a background with the CIELCh color 40, 112.700, 302.345.



This preview shows how white text looks on a background with the CIELCh color 40, 112.700, 302.345.

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, 112.674, 302.382

Protanopia

40, 60.548, 286.396

Deuteranopia

39, 41.738, 272.287



Tritanopia
39, 25.002, 205.126

Trichromacy



Original Color
40, 112.674, 302.382

Protanomaly
39, 80.341, 294.833

Deuteranomaly
39, 67.672, 290.853

Tritanomaly
37, 46.492, 280.007

Monochromacy



Original Color
40, 112.674, 302.382

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 43.762, 294.501

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 112.700, 302.345 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(44, 62, 255)` looks like.

```
.text, #text, p{  
    color:rgb(44, 62, 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(44, 62, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 62, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 112.700, 302.345 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(44, 62, 255) }
```

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

```
.border{ border-color:rgb(44, 62, 255) }
```

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

Here you see how a box with a 4 pixel rgb(44, 62, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 62, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 62, 255);  
box-shadow:4px 4px 4px 4px rgb(44, 62,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 112.700, 302.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 62, 255) }
```

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

```
.background{ background-color: rgb(44, 62,  
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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