

Converting Colors

CIELCh(40, 112.460, 302.664)

Have a look what the booklet for
CIELCh(40, 112.460, 302.664)
contains.

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Color

CIELCh(40, 112.014, 302.595)

Conversions

Conversions Part 1

Format	Color
Hex	323EFE
RGB	50, 62, 254
RGB Percent	20%, 24%, 100%
CMY	0.8049, 0.7573, 0.0045
CMYK	0.80, 0.76, 0.00, 0.00
HSL	236°, 99%, 60%
HSV	236°, 80%, 100%
XYZ	20.8855, 11.2510, 94.7214
YIQ	80.3000, -68.7840, 57.1680

Conversions

Conversions Part 2

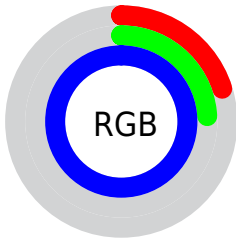
Format	Color
R_{YB}	50, 61, 254
Decimal	3292926
CIE _{Lab}	40.00, 60.34, -94.37
CIE _{LCh}	40, 112.014, 302.595
Yxy	11.2510, 0.1646, 0.0887
Android (android.graphics.Color)	4281483006 (0xFF323EFE)
YUV	80.3000, 85.6341, -26.5731
Hunter-Lab	33.5425, 52.4452, -143.9507

Details

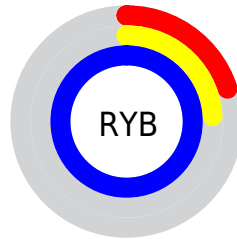
The CIELCh color **40, 112.014, 302.595** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **94, 86.101, 99.956**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 81.355, 302.083**, and **25, 106.816, 305.534** is the 20% darker color. If you saturate the color by 10%, you get **35, 123.798, 304.573**, and if you desaturate by 10%, it is **46, 97.725, 300.223**.

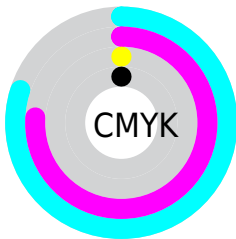
Distribution



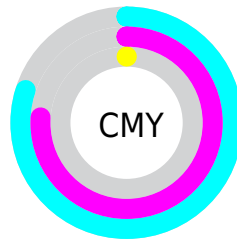
- Red (20%)
- Green (24%)
- Blue (100%)



- Red (20%)
- Yellow (24%)
- Blue (100%)



- Cyan (80%)
- Magenta (76%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (76%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 112.014, 302.595 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, 112.014, 302.595 by changing the saturation by 10% instead.


 40, 112.014,
302.595


 40, 112.014,
302.595


 100, 112.014,
302.595


 30, 112.014,
302.595


 60, 112.014,
302.595


 20, 112.014,
302.595


 70, 112.014,
302.595


 10, 112.014,
302.595

 80, 112.014,
302.595

 0, 112.014,
302.595

 90, 112.014,
302.595

 40, 112.014,

 40, 112.014,

302.595

■ 35, 123.798,
304.573

■ 33, 130.941,
305.783

302.595

■ 46, 97.725,
300.223

■ 53, 82.620,
297.777

■ 60, 67.620,
295.475

■ 68, 53.092,
293.421

■ 76, 39.135,
291.640

■ 84, 25.744,
290.120

■ 92, 12.881,
288.832

■ 99, 0.506, 287.935

100, 0.565,
109.999

Harmonies

Complementary

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



40, 112.014, 302.595



94, 86.101, 99.956

Rectangle

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



40, 112.014, 302.595



40, 112.014, 352.595



40, 112.014, 122.595



40, 112.014, 172.595

Sweetspot

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



40, 112.015, 302.596



81, 30.603, 290.639



91, 50.161, 188.145



40, 21.175, 291.184



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, 112.015, 302.596



34, 128.977, 305.386



45, 112.831, 310.942



49, 7.051, 288.726



24, 105.131, 305.601



4, 42.238, 300.737

Inverse Universe

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



56, 86.243, 30.787



54, 99.899, 37.154



91, 97.186, 124.138



50, 5.262, 15.132



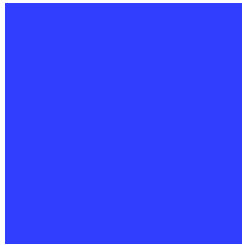
40, 81.756, 37.757



10, 32.892, 24.783

Previews

White Background



This preview shows how the CIELCh color 40, 112.014, 302.595 looks on a white background.

Color Contrast Check

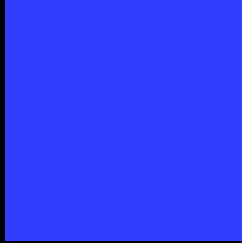
Large Text (above 18pt) WCAG AA ✓ Pass

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, 112.014, 302.595 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, 112.014, 302.595

Background



This preview shows how black text looks on a background with the CIELCh color 40, 112.014, 302.595.



This preview shows how white text looks on a background with the CIELCh color 40, 112.014, 302.595.

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, 112.014, 302.595

Protanopia

40, 60.548, 286.396

Deuteranopia

39, 41.738, 272.287



Tritanopia
39, 25.002, 205.126

Trichromacy



Original Color
40, 112.014, 302.595

Protanomaly
39, 80.326, 294.899

Deuteranomaly
39, 67.655, 290.944

Tritanomaly
37, 46.460, 280.179

Monochromacy



Original Color
40, 112.014, 302.595

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 43.724, 295.541

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 112.014, 302.595 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(50, 62, 254)` looks like.

```
.text, #text, p{  
    color:rgb(50, 62, 254)  
}
```

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(50, 62, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 62, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 112.014, 302.595 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(50, 62, 254) }
```

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

```
.border{ border-color:rgb(50, 62, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 62, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 62, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 62, 254);  
box-shadow:4px 4px 4px 4px rgb(50, 62,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 112.014, 302.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 62, 254) }
```

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

```
.background{ background-color: rgb(50, 62,  
254) }
```

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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