

Converting Colors

CIELCh(40, 106.813, 303.196)

Have a look what the booklet for
CIELCh(40, 106.813, 303.196)
contains.

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Color

CIELCh(40, 107.015, 303.219)

Conversions

Conversions Part 1

Format	Color
Hex	423EF5
RGB	66, 62, 245
RGB Percent	26%, 24%, 96%
CMY	0.7395, 0.7560, 0.0382
CMYK	0.73, 0.75, 0.00, 0.04
HSL	241°, 90%, 60%
HSV	241°, 75%, 96%
XYZ	20.5315, 11.2510, 87.6919
YIQ	84.0580, -56.3590, 57.7610

Conversions

Conversions Part 2

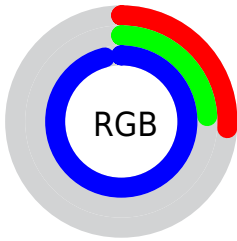
Format	Color
R _{YB}	66, 62, 245
Decimal	4341493
CIE _{Lab}	40.00, 58.63, -89.53
CIE _{LCh}	40, 107.015, 303.219
Yxy	11.2510, 0.1718, 0.0942
Android (android.graphics.Color)	4282531573 (0xFF423EF5)
YUV	84.0580, 79.3444, -15.8369
Hunter-Lab	33.5425, 50.5612, -131.5253

Details

The CIELCh color **40, 107.015, 303.219** 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, 83.734, 104.823**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 81.307, 303.298**, and **23, 103.097, 305.523** is the 20% darker color. If you saturate the color by 10%, you get **35, 119.471, 304.947**, and if you desaturate by 10%, it is **46, 92.224, 301.158**.

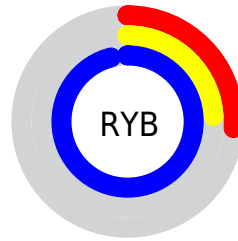
Distribution



Red (26%)

Green (24%)

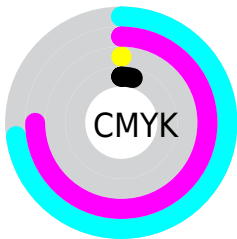
Blue (96%)



Red (26%)

Yellow (24%)

Blue (96%)

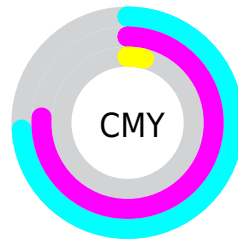


Cyan (73%)

Magenta (75%)

Yellow (0%)

Black (4%)



Cyan (74%)


Magenta (76%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 107.015, 303.219 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, 107.015, 303.219 by changing the saturation by 10% instead.


 40, 107.015,
303.219


 40, 107.015,
303.219


 100, 107.015,
303.219


 30, 107.015,
303.219


 60, 107.015,
303.219


 20, 107.015,
303.219

 70, 107.015,
303.219

 10, 107.015,
303.219

 80, 107.015,
303.219

 0, 107.015,
303.219

 90, 107.015,
303.219

 40, 107.015,

 40, 107.015,

303.219

303.219

■ 35, 119.471,
304.947

■ 46, 92.224,
301.158

■ 32, 127.420,
306.007

■ 54, 76.758,
299.060

■ 31, 129.828,
306.335

■ 61, 61.469,
297.107

■ 69, 46.687,
295.376

■ 77, 32.503,
293.882

■ 85, 18.910,
292.609

■ 93, 5.873, 291.535

■ 100, 4.922,
109.794

Harmonies

Complementary

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



40, 107.015, 303.219



94, 83.734, 104.823

Rectangle

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



40, 107.015, 303.219



40, 107.015, 353.219



40, 107.015, 123.219



40, 107.015, 173.219

Sweetspot

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



40, 107.016, 303.220



82, 29.797, 293.532



88, 44.439, 198.711



41, 20.136, 293.900



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, 107.016, 303.220



34, 128.287, 305.634



49, 102.773, 312.986



47, 7.259, 292.032



22, 105.517, 306.354



3, 39.968, 300.300

Inverse Universe

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



61, 100.157, 328.677



61, 111.533, 329.036



88, 92.280, 126.930



48, 8.623, 325.564



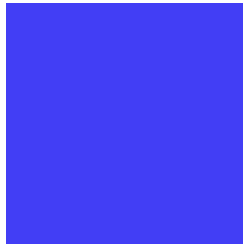
44, 89.606, 329.164



11, 39.934, 329.038

Previews

White Background



This preview shows how the CIELCh color 40, 107.015, 303.219 looks on a white background.

Color Contrast Check

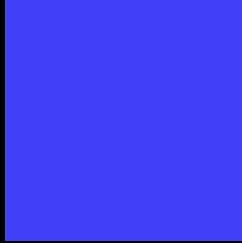
Large Text (above 18pt) WCAG AA ✓ Pass

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, 107.015, 303.219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

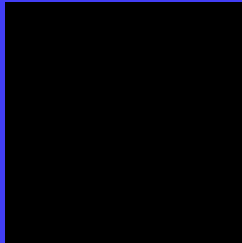
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 107.015, 303.219

Background



This preview shows how black text looks on a background with the CIELCh color 40, 107.015, 303.219.



This preview shows how white text looks on a background with the CIELCh color 40, 107.015, 303.219.

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, 107.015, 303.219

Protanopia

40, 61.110, 286.639

Deuteranopia

40, 42.255, 272.815

Trichromacy



Original Color
40, 107.015, 303.219

Protanomaly
39, 78.609, 294.783

Deuteranomaly
38, 65.897, 290.739

Monochromacy



Original Color
40, 107.015, 303.219

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 41.632, 297.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 107.015, 303.219 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(66, 62, 245)` looks like.

```
.text, #text, p{  
    color:rgb(66, 62, 245)  
}
```

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(66, 62, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 62, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 107.015, 303.219 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(66, 62, 245) }
```

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

```
.border{ border-color:rgb(66, 62, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 62, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 62, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 62, 245);  
box-shadow:4px 4px 4px 4px rgb(66, 62,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 107.015, 303.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 62, 245) }
```

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

```
.background{ background-color: rgb(66, 62,  
245) }
```

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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