

Converting Colors

CIELCh(40, 86.870, 295.816)

Have a look what the booklet for
CIELCh(40, 86.870, 295.816)
contains.

CIELCh(40, 86.985, 295.879)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 86.985, 295.879)

Conversions

Conversions Part 1

Format	Color
Hex	0550E1
RGB	5, 80, 225
RGB Percent	2%, 31%, 88%
CMY	0.9787, 0.6855, 0.1167
CMYK	0.98, 0.64, 0.00, 0.12
HSL	220°, 95%, 45%
HSV	220°, 98%, 88%
XYZ	16.5751, 11.2510, 72.7104
YIQ	74.1050, -91.2450, 29.1950

Conversions

Conversions Part 2

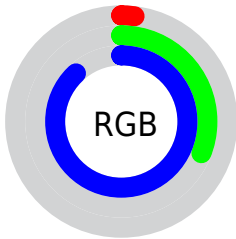
Format	Color
R_{YB}	5, 61, 225
Decimal	348385
CIE _{Lab}	40.00, 37.97, -78.26
CIE _{LCh}	40, 86.985, 295.879
Yxy	11.2510, 0.1649, 0.1119
Android (android.graphics.Color)	4278538465 (0xFF0550E1)
YUV	74.1050, 74.3912, -60.6051
Hunter-Lab	33.5425, 29.5067, -105.0438

Details

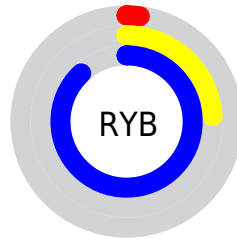
The CIELCh color **40, 86.985, 295.879** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **68, 74.461, 75.195**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 71.227, 293.650**, and **24, 83.162, 301.548** is the 20% darker color. If you saturate the color by 10%, you get **39, 89.299, 296.693**, and if you desaturate by 10%, it is **44, 77.314, 292.221**.

Distribution



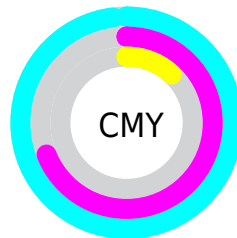
- Red (2%)
- Green (31%)
- Blue (88%)



- Red (2%)
- Yellow (24%)
- Blue (88%)



- Cyan (98%)
- Magenta (64%)
- Yellow (0%)
- Black (12%)





- Cyan (98%)
- Magenta (69%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 86.985, 295.879 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, 86.985, 295.879 by changing the saturation by 10% instead.


 40, 86.985,
295.879


 40, 86.985,
295.879


 100, 86.985,
295.879


 30, 86.985,
295.879

 60, 86.985,
295.879


 20, 86.985,
295.879

 70, 86.985,
295.879


 10, 86.985,
295.879

 80, 86.985,
295.879

 0, 86.985, 295.879

 90, 86.985,
295.879

 40, 86.985,

 40, 86.985,

295.879

■ 39, 89.299,
296.693

295.879

■ 44, 77.314,
292.221

■ 49, 67.703,
288.546

■ 53, 58.318,
285.080

■ 59, 49.188,
281.947

■ 64, 40.282,
279.196

■ 69, 31.558,
276.822

■ 75, 22.986,
274.792

■ 80, 14.547,
273.063

Harmonies

Complementary

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



40, 86.985, 295.879



68, 74.461, 75.195

Rectangle

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



40, 86.985, 295.879



40, 86.985, 345.879



40, 86.985, 115.879



40, 86.985, 165.879

Sweetspot

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



40, 86.986, 295.881



83, 26.750, 275.097



80, 67.958, 158.323



41, 18.415, 275.951



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, 86.986, 295.881



44, 98.789, 296.947



29, 119.601, 306.741



44, 4.655, 271.852



30, 72.977, 296.083



5, 23.873, 286.247

Inverse Universe

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



48, 77.917, 16.916



54, 86.643, 18.629



85, 89.116, 111.870



44, 5.208, 354.071



37, 65.207, 17.187



6, 25.453, 5.445

Previews

White Background



This preview shows how the CIE LCh color 40, 86.985, 295.879 looks on a white background.

Color Contrast Check

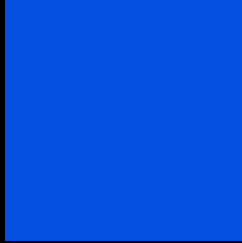
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.985, 295.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

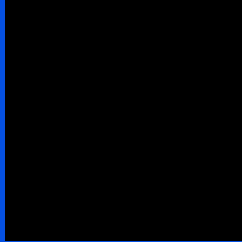
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 86.985, 295.879

Background



This preview shows how black text looks on a background with the CIELCh color 40, 86.985, 295.879.



This preview shows how white text looks on a background with the CIELCh color 40, 86.985, 295.879.

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, 86.979, 295.899

Protanopia

40, 61.671, 286.878

Deuteranopia

40, 42.775, 273.331



Tritanopia
40, 25.177, 205.050

Trichromacy



Original Color
40, 86.979, 295.899

Protanomaly
40, 70.962, 291.025

Deuteranomaly
39, 58.850, 285.717

Tritanomaly
39, 37.643, 268.051

Monochromacy



Original Color
40, 86.979, 295.899

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 33.812, 282.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 86.985, 295.879 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(5, 80, 225)` looks like.

```
.text, #text, p{  
    color:rgb(5, 80, 225)  
}
```

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(5, 80, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 80, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 86.985, 295.879 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(5, 80, 225) }
```

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

```
.border{ border-color:rgb(5, 80, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 80, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 80, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 80, 225);  
box-shadow:4px 4px 4px 4px rgb(5, 80, 225)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 86.985, 295.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 80, 225) }
```

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

```
.background{ background-color: rgb(5, 80,  
225) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor