

Converting Colors

CIELCh(40, 79.348, 301.117)

Have a look what the booklet for
CIELCh(40, 79.348, 301.117)
contains.

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Color

CIELCh(40, 79.093, 301.115)

Conversions

Conversions Part 1

Format	Color
Hex	504BCF
RGB	80, 75, 207
RGB Percent	31%, 29%, 81%
CMY	0.6861, 0.7058, 0.1881
CMYK	0.61, 0.64, 0.00, 0.19
HSL	242°, 58%, 55%
HSV	242°, 64%, 81%
XYZ	17.0976, 11.2510, 60.3269
YIQ	91.5430, -39.3920, 42.1120

Conversions

Conversions Part 2

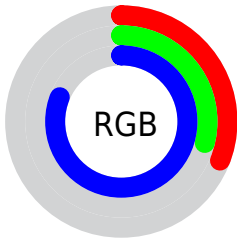
Format	Color
R_{YB}	80, 75, 207
Decimal	5262287
CIE _{Lab}	40.00, 40.87, -67.71
CIE _{LCh}	40, 79.093, 301.115
Yxy	11.2510, 0.1928, 0.1269
Android (android.graphics.Color)	4283452367 (0xFF504BCF)
YUV	91.5430, 56.9203, -10.1232
Hunter-Lab	33.5425, 32.2876, -83.1547

Details

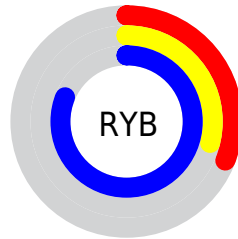
The CIELCh color **40, 79.093, 301.115** is a dark color, and the websafe version is hex **6666FF**. The color can be described as dark muted blue. A complement of this color would be **81, 65.197, 106.243**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 73.979, 301.109**, and **21, 78.197, 302.066** is the 20% darker color. If you saturate the color by 10%, you get **34, 92.113, 303.099**, and if you desaturate by 10%, it is **46, 65.635, 299.128**.

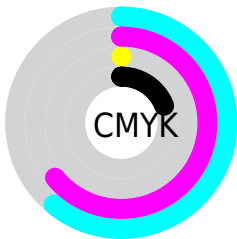
Distribution



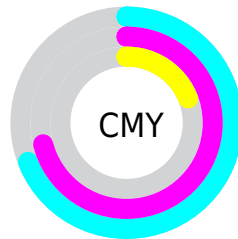
- Red (31%)
- Green (29%)
- Blue (81%)



- Red (31%)
- Yellow (29%)
- Blue (81%)



- Cyan (61%)
- Magenta (64%)
- Yellow (0%)
- Black (19%)





- Cyan (69%)
- Magenta (71%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 79.093, 301.115 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, 79.093, 301.115 by changing the saturation by 10% instead.


 40, 79.093,
301.115


 40, 79.093,
301.115


 100, 79.093,
301.115


 30, 79.093,
301.115

 60, 79.093,
301.115


 20, 79.093,
301.115

 70, 79.093,
301.115

 10, 79.093,
301.115

 80, 79.093,
301.115

 0, 79.093, 301.115

 90, 79.093,
301.115

 40, 79.093,

 40, 79.093,

301.115

■ 34, 92.113,
303.099

■ 30, 103.409,
304.812

■ 27, 111.164,
305.936

■ 25, 114.181,
306.384

301.115

■ 46, 65.635,
299.128

■ 53, 52.378,
297.289

■ 60, 39.566,
295.660


■ 67, 27.266,
294.251

■ 74, 15.470,
293.048

■ 81, 4.150, 292.031

■ 87, 6.730, 111.139

■ 94, 17.201,
110.401

 99, 24.213,
108.341

Harmonies

Complementary

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



40, 79.093, 301.115



81, 65.197, 106.243

Rectangle

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



40, 79.093, 301.115



40, 79.093, 351.115



40, 79.093, 121.115



40, 79.093, 171.115

Sweetspot

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



40, 79.093, 301.116



85, 25.581, 293.682



75, 35.380, 200.779



43, 17.711, 294.041



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, 79.093, 301.116



40, 113.654, 303.865



46, 78.120, 313.194



40, 6.377, 292.583



20, 97.826, 306.413



2, 25.583, 294.181

Inverse Universe

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



55, 78.193, 328.777



63, 103.920, 329.282



76, 71.607, 127.507



41, 7.497, 325.973



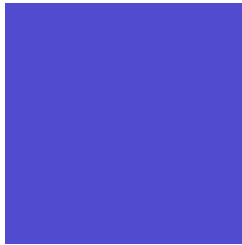
40, 82.192, 329.792



6, 30.229, 329.077

Previews

White Background



This preview shows how the CIELCh color 40, 79.093, 301.115 looks on a white background.

Color Contrast Check

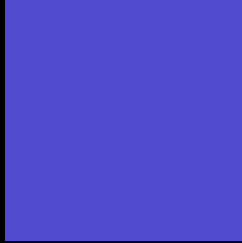
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.093, 301.115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

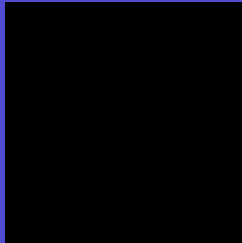
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 79.093, 301.115

Background



This preview shows how black text looks on a background with the CIELCh color 40, 79.093, 301.115.



This preview shows how white text looks on a background with the CIELCh color 40, 79.093, 301.115.

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, 79.093, 301.115

Deuteranopia

40, 43.822, 274.326

Tritanopia

40, 21.826, 211.771

Trichromacy



Original Color
40, 79.093, 301.115

Deuteranomaly
39, 56.442, 286.789

Tritanomaly
39, 34.334, 274.959

Monochromacy



Original Color
40, 79.093, 301.115

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 29.497, 295.906

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 79.093, 301.115 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(80, 75, 207)` looks like.

```
.text, #text, p{  
    color:rgb(80, 75, 207)  
}
```

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(80, 75, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 75, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 79.093, 301.115 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(80, 75, 207) }
```

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

```
.border{ border-color:rgb(80, 75, 207) }
```

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

Here you see how a box with a 4 pixel rgb(80, 75, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 75, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 75, 207);  
box-shadow:4px 4px 4px 4px rgb(80, 75,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 79.093, 301.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 75, 207) }
```

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

```
.background{ background-color: rgb(80, 75,  
207) }
```

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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