

Converting Colors

CIELCh(40, 91.521, 304.054)

Have a look what the booklet for
CIELCh(40, 91.521, 304.054)
contains.

CIELCh(40, 91.144, 304.010)	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, 91.144, 304.010)

Conversions

Conversions Part 1

Format	Color
Hex	5843DD
RGB	88, 67, 221
RGB Percent	35%, 26%, 87%
CMY	0.6561, 0.7382, 0.1344
CMYK	0.60, 0.70, 0.00, 0.13
HSL	248°, 69%, 56%
HSV	248°, 70%, 87%
XYZ	19.0012, 11.2510, 69.3821
YIQ	90.8350, -36.9180, 52.3460

Conversions

Conversions Part 2

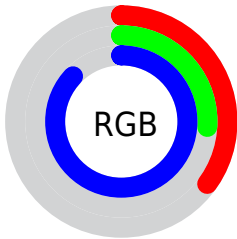
Format	Color
R_YB	88, 67, 221
Decimal	5784541
CIE _{Lab}	40.00, 50.98, -75.55
CIE _{LCh}	40, 91.144, 304.010
Yxy	11.2510, 0.1907, 0.1129
Android (android.graphics.Color)	4283974621 (0xFF5843DD)
YUV	90.8350, 64.1713, -2.4863
Hunter-Lab	33.5425, 42.4175, -99.1608

Details

The CIELCh color **40, 91.144, 304.010** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **84, 74.062, 110.771**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 78.267, 304.567**, and **21, 90.675, 304.515** is the 20% darker color. If you saturate the color by 10%, you get **35, 103.604, 305.378**, and if you desaturate by 10%, it is **46, 77.448, 302.481**.

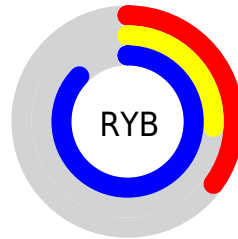
Distribution



Red (35%)

Green (26%)

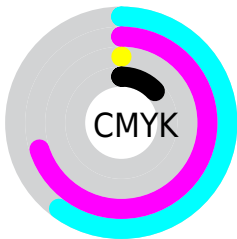
Blue (87%)



Red (35%)

Yellow (26%)

Blue (87%)

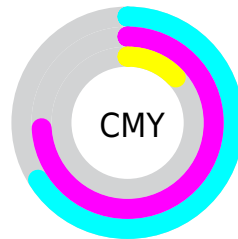


Cyan (60%)

Magenta (70%)

Yellow (0%)

Black (13%)



Cyan (66%)


Magenta (74%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 91.144, 304.010 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, 91.144, 304.010 by changing the saturation by 10% instead.


 40, 91.144,
304.010


 40, 91.144,
304.010


 100, 91.144,
304.010


 30, 91.144,
304.010

 60, 91.144,
304.010


 20, 91.144,
304.010

 70, 91.144,
304.010


 10, 91.144,
304.010

 80, 91.144,
304.010

 0, 91.144, 304.010

 90, 91.144,
304.010

 40, 91.144,

 40, 91.144,

304.010

304.010

■ 35, 103.604,
305.378

■ 46, 77.448,
302.481

■ 31, 113.251,
306.326

■ 53, 63.506,
300.968

■ 28, 118.988,
306.734

■ 60, 49.804,
299.569

■ 28, 119.112,
306.745


■ 67, 36.542,
298.323

■ 74, 23.777,
297.236

■ 81, 11.512,
296.297

■ 88, 0.276, 115.441

■ 95, 11.618,
114.799

 99, 17.336,
108.867

Harmonies

Complementary

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



40, 91.144, 304.010



84, 74.062, 110.771

Rectangle

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



40, 91.144, 304.010



40, 91.144, 354.010



40, 91.144, 124.010



40, 91.144, 174.010

Sweetspot

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



40, 91.144, 304.011



83, 28.501, 297.380



75, 35.711, 215.400



42, 19.398, 297.674



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, 91.144, 304.011



38, 121.358, 305.915



48, 88.937, 316.246



42, 6.662, 296.269



21, 99.356, 306.825



2, 29.795, 298.248

Inverse Universe

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



56, 81.948, 332.646



60, 100.703, 333.569



80, 83.481, 130.543



43, 7.286, 328.920



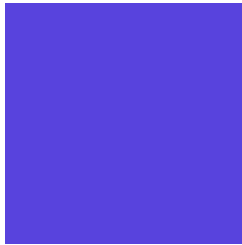
40, 77.853, 334.467



7, 31.413, 333.192

Previews

White Background



This preview shows how the CIELCh color 40, 91.144, 304.010 looks on a white background.

Color Contrast Check

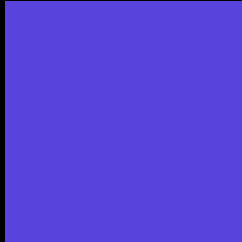
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.144, 304.010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

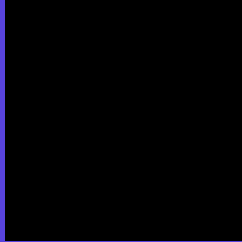
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 91.144, 304.010

Background



This preview shows how black text looks on a background with the CIELCh color 40, 91.144, 304.010.



This preview shows how white text looks on a background with the CIELCh color 40, 91.144, 304.010.

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, 91.144, 304.010

Protanopia

40, 61.041, 286.408

Deuteranopia

40, 43.297, 273.834



Tritanopia
40, 21.166, 210.556

Trichromacy



Original Color
40, 91.144, 304.010

Protanomaly
39, 72.751, 293.571

Deuteranomaly
38, 61.165, 289.606

Tritanomaly
38, 38.014, 281.057

Monochromacy



Original Color
40, 91.144, 304.010

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 34.641, 299.708

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 91.144, 304.010 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(88, 67, 221)` looks like.

```
.text, #text, p{  
    color:rgb(88, 67, 221)  
}
```

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(88, 67, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 67, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 91.144, 304.010 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(88, 67, 221) }
```

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

```
.border{ border-color:rgb(88, 67, 221) }
```

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

Here you see how a box with a 4 pixel rgb(88, 67, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 67, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 67, 221);  
box-shadow:4px 4px 4px 4px rgb(88, 67,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 91.144, 304.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 67, 221) }
```

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

```
.background{ background-color: rgb(88, 67,  
221) }
```

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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