

Converting Colors

CIELCh(40, 97.184, 298.592)

Have a look what the booklet for
CIELCh(40, 97.184, 298.592)
contains.

CIELCh(40, 97.582, 298.691)	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, 97.582, 298.691)

Conversions

Conversions Part 1

Format	Color
Hex	144AEE
RGB	20, 74, 238
RGB Percent	8%, 29%, 93%
CMY	0.9222, 0.7092, 0.0659
CMYK	0.92, 0.69, 0.00, 0.07
HSL	225°, 87%, 51%
HSV	225°, 92%, 93%
XYZ	18.2068, 11.2510, 82.2579
YIQ	76.5500, -84.8280, 39.5560

Conversions

Conversions Part 2

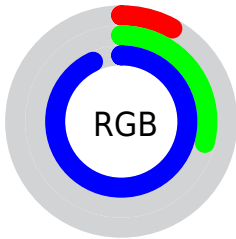
Format	Color
R_{YB}	20, 63, 238
Decimal	1329902
CIE _{Lab}	40.00, 46.85, -85.60
CIE _{LCh}	40, 97.582, 298.691
Yxy	11.2510, 0.1630, 0.1007
Android (android.graphics.Color)	4279519982 (0xFF144AEE)
YUV	76.5500, 79.5948, -49.5943
Hunter-Lab	33.5425, 38.1899, -121.9201

Details

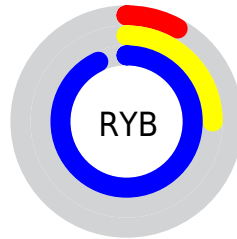
The CIELCh color **40, 97.582, 298.691** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **78, 77.837, 84.783**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 74.790, 296.577**, and **25, 93.064, 303.280** is the 20% darker color. If you saturate the color by 10%, you get **37, 106.534, 301.135**, and if you desaturate by 10%, it is **45, 86.111, 295.471**.

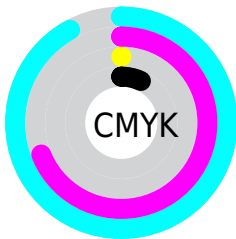
Distribution



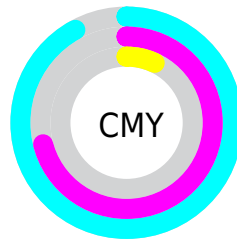
- Red (8%)
- Green (29%)
- Blue (93%)



- Red (8%)
- Yellow (25%)
- Blue (93%)



- Cyan (92%)
- Magenta (69%)
- Yellow (0%)
- Black (7%)





- Cyan (92%)
- Magenta (71%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 97.582, 298.691 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, 97.582, 298.691 by changing the saturation by 10% instead.


 40, 97.582,
298.691


 40, 97.582,
298.691


 100, 97.582,
298.691


 30, 97.582,
298.691

 60, 97.582,
298.691


 20, 97.582,
298.691

 70, 97.582,
298.691

 10, 97.582,
298.691

 80, 97.582,
298.691

 0, 97.582, 298.691

 90, 97.582,
298.691

 40, 97.582,

 40, 97.582,

298.691

■ 37, 106.534,
301.135

298.691

■ 45, 86.111,
295.471

■ 50, 74.494,
292.245

■ 56, 63.104,
289.215

■ 62, 52.063,
286.492

■ 68, 41.378,
284.111

■ 74, 31.017,
282.061

■ 81, 20.948,
280.308

■ 87, 11.142,
278.816

Harmonies

Complementary

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



40, 97.582, 298.691



78, 77.837, 84.783

Rectangle

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



40, 97.582, 298.691



40, 97.582, 348.691



40, 97.582, 118.691



40, 97.582, 168.691

Sweetspot

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



40, 97.583, 298.692



81, 28.846, 281.404



84, 61.049, 167.424



41, 20.029, 282.207



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, 97.583, 298.692



39, 112.559, 301.243



34, 119.975, 307.665



47, 5.440, 278.522



28, 86.285, 300.644



5, 31.149, 293.455

Inverse Universe

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



51, 81.968, 21.979



54, 90.952, 26.805



88, 93.553, 116.832



47, 5.259, 0.456



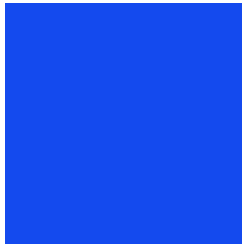
38, 70.415, 25.550



8, 28.874, 13.190

Previews

White Background



This preview shows how the CIE LCh color 40, 97.582, 298.691 looks on a white background.

Color Contrast Check

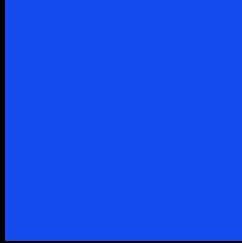
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.582, 298.691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

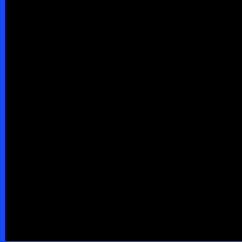
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 97.582, 298.691

Background



This preview shows how black text looks on a background with the CIELCh color 40, 97.582, 298.691.



This preview shows how white text looks on a background with the CIELCh color 40, 97.582, 298.691.

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, 97.572, 298.715

Protanopia
40, 61.110, 286.639

Deuteranopia
40, 42.255, 272.815



Tritanopia
40, 25.266, 203.574

Trichromacy



Original Color
40, 97.572, 298.715

Protanomaly
39, 75.026, 292.662

Deuteranomaly
39, 62.331, 287.824

Tritanomaly
38, 40.590, 272.659

Monochromacy



Original Color
40, 97.572, 298.715

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 37.757, 287.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 97.582, 298.691 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(20, 74, 238)` looks like.

```
.text, #text, p{  
    color:rgb(20, 74, 238)  
}
```

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(20, 74, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 74, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 97.582, 298.691 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(20, 74, 238) }
```

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

```
.border{ border-color:rgb(20, 74, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 74, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 74, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 74, 238);  
box-shadow:4px 4px 4px 4px rgb(20, 74,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 97.582, 298.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 74, 238) }
```

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

```
.background{ background-color: rgb(20, 74,  
238) }
```

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