

Converting Colors

CIELCh(39, 72.478, 287.388)

Have a look what the booklet for
CIELCh(39, 72.478, 287.388)
contains.

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Color

CIELCh(40, 71.359, 290.740)

Conversions

Conversions Part 1

Format	Color
Hex	0057CD
RGB	0, 87, 205
RGB Percent	0%, 34%, 80%
CMY	1.0000, 0.6577, 0.1956
CMYK	1.00, 0.57, 0.00, 0.20
HSL	214°, 100%, 40%
HSV	214°, 100%, 80%
XYZ	14.4162, 11.2510, 59.2544
YIQ	74.4390, -89.7300, 18.2540

Conversions

Conversions Part 2

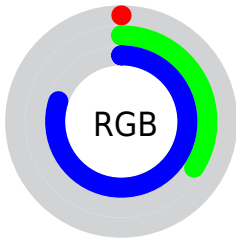
Format	Color
R_{YB}	0, 61, 205
Decimal	22477
CIE _{Lab}	40.00, 25.27, -66.73
CIE _{LCh}	40, 71.359, 290.740
Yxy	11.2510, 0.1698, 0.1325
Android (android.graphics.Color)	4278212557 (0xFF0057CD)
YUV	74.4390, 64.3666, -65.2830
Hunter-Lab	33.5425, 18.0181, -81.2589

Details

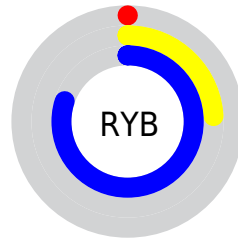
The CIELCh color **40, 71.359, 290.740** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **58, 70.673, 66.786**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 67.172, 289.966**, and **23, 69.480, 298.445** is the 20% darker color. If you saturate the color by 10%, you get **40, 71.336, 290.856**, and if you desaturate by 10%, it is **44, 63.723, 286.792**.

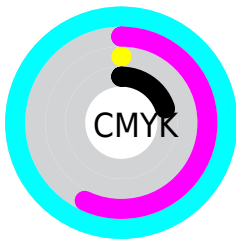
Distribution



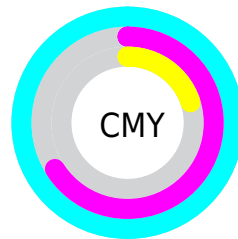
- Red (0%)
- Green (34%)
- Blue (80%)



- Red (0%)
- Yellow (24%)
- Blue (80%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (20%)




- Cyan (100%)
- Magenta (66%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 71.359, 290.740 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, 71.359, 290.740 by changing the saturation by 10% instead.


 40, 71.359,
290.740


 40, 71.359,
290.740


 100, 71.359,
290.740


 30, 71.359,
290.740

 60, 71.359,
290.740


 20, 71.359,
290.740

 70, 71.359,
290.740

 10, 71.359,
290.740

 80, 71.359,
290.740

 0, 71.359, 290.740

 90, 71.359,
290.740

 40, 71.359,

 40, 71.359,

290.740

■ 40, 71.336,
290.856

290.740

■ 44, 63.723,
286.792

■ 47, 56.311,
282.716

■ 51, 49.083,
278.915

■ 55, 41.985,
275.507

■ 60, 34.956,
272.531

■ 64, 27.953,
269.977

■ 69, 20.957,
267.805

■ 73, 13.961,
265.964

Harmonies

Complementary

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



40, 71.359, 290.740



58, 70.673, 66.786

Rectangle

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



40, 71.359, 290.740



40, 71.359, 340.740



40, 71.359, 110.740



40, 71.359, 160.740

Sweetspot

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



40, 71.336, 290.856



84, 25.005, 267.881



73, 70.579, 152.578



42, 17.063, 268.771



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, 71.336, 290.856



50, 85.188, 291.402



25, 113.245, 306.465



41, 3.938, 264.331



32, 59.911, 290.192



5, 16.548, 276.926

Inverse Universe

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



44, 71.766, 9.585



54, 84.627, 10.298



79, 82.530, 106.982



40, 5.061, 348.654



35, 61.201, 8.741



4, 19.271, 358.053

Previews

White Background



This preview shows how the CIE LCh color 40, 71.359, 290.740 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, 71.359, 290.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

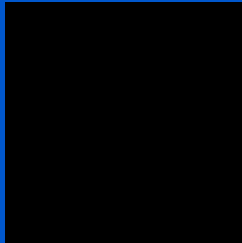
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 71.359, 290.740

Background



This preview shows how black text looks on a background with the CIELCh color 40, 71.359, 290.740.



This preview shows how white text looks on a background with the CIELCh color 40, 71.359, 290.740.

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, 71.446, 290.939

Protanopia

40, 61.601, 286.649

Deuteranopia

40, 43.289, 273.527



Tritanopia
40, 25.352, 204.975

Trichromacy



Original Color
40, 71.446, 290.939

Protanomaly
40, 65.037, 288.222

Deuteranomaly
40, 53.671, 282.289

Tritanomaly
40, 32.746, 258.181

Monochromacy



Original Color
40, 71.446, 290.939

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 28.029, 275.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 71.359, 290.740 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(0, 87, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 87, 205)  
}
```

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(0, 87, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 71.359, 290.740 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(0, 87, 205) }
```

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

```
.border{ border-color:rgb(0, 87, 205) }
```

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

Here you see how a box with a 4 pixel rgb(0, 87, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 87, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 87, 205)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 71.359, 290.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 87, 205) }
```

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

```
.background{ background-color: rgb(0, 87,  
205) }
```

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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