

Converting Colors

CIELCh(40, 70.796, 291.884)

Have a look what the booklet for
CIELCh(40, 70.796, 291.884)
contains.

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Color

CIELCh(40, 70.785, 291.941)

Conversions

Conversions Part 1

Format	Color
Hex	1B56CB
RGB	27, 86, 203
RGB Percent	11%, 34%, 80%
CMY	0.8951, 0.6618, 0.2027
CMYK	0.87, 0.58, 0.00, 0.20
HSL	220°, 77%, 45%
HSV	220°, 87%, 80%
XYZ	14.6082, 11.2510, 58.0899
YIQ	81.6970, -72.7210, 23.8790

Conversions

Conversions Part 2

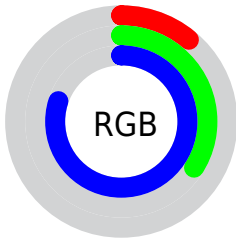
Format	Color
R _Y B	27, 71, 203
Decimal	1791691
CIE Lab	40.00, 26.45, -65.66
CIE LCh	40, 70.785, 291.941
Yxy	11.2510, 0.1740, 0.1340
Android (android.graphics.Color)	4279981771 (0xFF1B56CB)
YUV	81.6970, 59.8024, -47.9693
Hunter-Lab	33.5425, 19.0400, -79.2005




Details

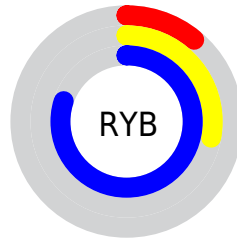
The CIELCh color **40, 70.785, 291.941** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **64, 65.258, 78.172**, and the grayscale version is **35, 0.005, 296.813**.




A 20% lighter version of the original color is **60, 67.645, 291.338**, and **23, 69.005, 298.544** is the 20% darker color. If you saturate the color by 10%, you get **36, 79.737, 295.578**, and if you desaturate by 10%, it is **44, 61.909, 288.321**.

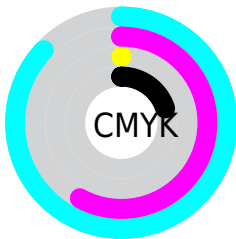
Distribution







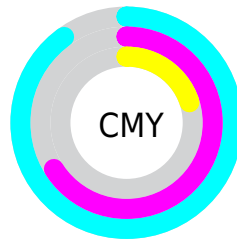
-  Red (11%)
-  Green (34%)
-  Blue (80%)






-  Red (11%)
-  Yellow (28%)
-  Blue (80%)



-  Cyan (87%)
-  Magenta (58%)
-  Yellow (0%)
-  Black (20%)





-  Cyan (90%)
-  Magenta (66%)
-  Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 70.785, 291.941 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, 70.785, 291.941 by changing the saturation by 10% instead.


 40, 70.785,
291.941


 40, 70.785,
291.941


 100, 70.785,
291.941


 30, 70.785,
291.941

 60, 70.785,
291.941


 20, 70.785,
291.941

 70, 70.785,
291.941

 10, 70.785,
291.941

 80, 70.785,
291.941

 0, 70.785, 291.941

 90, 70.785,
291.941

 40, 70.785,

 40, 70.785,

291.941

■ 36, 79.737,
295.578

■ 35, 82.553,
296.638

291.941

■ 44, 61.909,
288.321

■ 49, 53.248,
284.922

■ 53, 44.822,
281.859

■ 58, 36.601,
279.172

■ 63, 28.548,
276.854

■ 68, 20.636,
274.871

■ 73, 12.850,
273.180

■ 78, 5.183, 271.754

Harmonies

Complementary

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



40, 70.785, 291.941



64, 65.258, 78.172

Rectangle

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



40, 70.785, 291.941



40, 70.785, 341.941



40, 70.785, 111.941



40, 70.785, 161.941

Sweetspot

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



40, 70.785, 291.942



84, 24.020, 274.781



73, 58.955, 160.811



43, 16.326, 275.437



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, 70.785, 291.942



44, 99.291, 297.123



29, 103.675, 306.224



40, 4.319, 272.093



28, 69.846, 296.094



4, 18.134, 281.858

Inverse Universe

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



45, 68.389, 11.410



54, 86.758, 18.930



77, 79.385, 111.382



40, 4.806, 354.272



35, 62.395, 17.204



4, 18.721, 3.003

Previews

White Background



This preview shows how the CIE LCh color 40, 70.785, 291.941 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, 70.785, 291.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

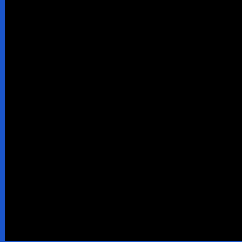
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 70.785, 291.941

Background



This preview shows how black text looks on a background with the CIELCh color 40, 70.785, 291.941.



This preview shows how white text looks on a background with the CIELCh color 40, 70.785, 291.941.

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, 70.774, 291.999

Protanopia

40, 62.232, 287.113

Deuteranopia

40, 43.822, 274.326



Tritanopia
40, 25.103, 206.536

Trichromacy



Original Color
40, 70.774, 291.999

Protanomaly
40, 65.052, 288.773

Deuteranomaly
40, 53.633, 283.009

Tritanomaly
39, 32.847, 260.268

Monochromacy



Original Color
40, 70.774, 291.999

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 26.660, 279.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 70.785, 291.941 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(27, 86, 203)` looks like.

```
.text, #text, p{  
    color:rgb(27, 86, 203)  
}
```

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(27, 86, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 86, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 70.785, 291.941 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(27, 86, 203) }
```

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

```
.border{ border-color:rgb(27, 86, 203) }
```

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

Here you see how a box with a 4 pixel rgb(27, 86, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 86, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 86, 203);  
box-shadow:4px 4px 4px 4px rgb(27, 86,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 70.785, 291.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 86, 203) }
```

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

```
.background{ background-color: rgb(27, 86,  
203) }
```

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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