

Converting Colors

CIELCh(35, 72.978, 296.837)

Have a look what the booklet for
CIELCh(35, 72.978, 296.837)
contains.

CIELCh(35, 72.538, 296.707)	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(35, 72.538, 296.707)

Conversions

Conversions Part 1

Format	Color
Hex	2B46BC
RGB	43, 70, 188
RGB Percent	17%, 27%, 74%
CMY	0.8322, 0.7260, 0.2633
CMYK	0.77, 0.63, 0.00, 0.26
HSL	229°, 63%, 45%
HSV	229°, 77%, 74%
XYZ	12.2304, 8.4984, 48.4894
YIQ	75.3790, -53.9700, 30.9740

Conversions

Conversions Part 2

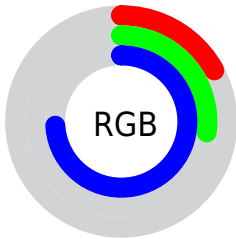
Format	Color
R_{YB}	43, 66, 188
Decimal	2836156
CIE _{Lab}	35.00, 32.60, -64.80
CIE _{LCh}	35, 72.538, 296.707
Yxy	8.4984, 0.1767, 0.1228
Android (android.graphics.Color)	4281026236 (0xFF2B46BC)
YUV	75.3790, 55.5222, -28.3964
Hunter-Lab	29.1520, 23.8720, -78.2125

Details

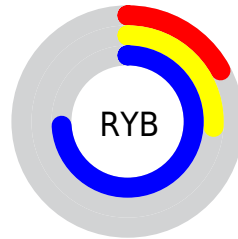
The CIELCh color **35, 72.538, 296.707** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **67, 60.738, 92.020**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 72.490, 296.689**, and **18, 69.604, 301.327** is the 20% darker color. If you saturate the color by 10%, you get **31, 82.747, 299.615**, and if you desaturate by 10%, it is **40, 62.174, 293.827**.

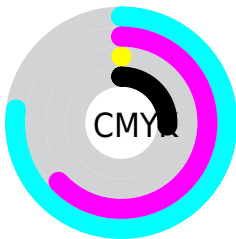
Distribution



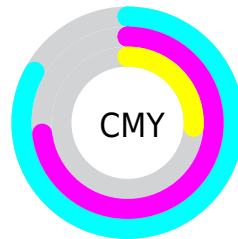
- Red (17%)
- Green (27%)
- Blue (74%)



- Red (17%)
- Yellow (26%)
- Blue (74%)



- Cyan (77%)
- Magenta (63%)
- Yellow (0%)
- Black (26%)





- Cyan (83%)
- Magenta (73%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 72.538, 296.707 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 35, 72.538, 296.707 by changing the saturation by 10% instead.


 35, 72.538,
296.707


 35, 72.538,
296.707

 100, 72.538,
296.707


 25, 72.538,
296.707

 55, 72.538,
296.707


 15, 72.538,
296.707


 65, 72.538,
296.707

 5, 72.538, 296.707

 75, 72.538,
296.707

 0, 72.538, 296.707

 85, 72.538,
296.707

 95, 72.538,
296.707

■ 35, 72.538,
296.707

■ 35, 72.538,
296.707

■ 31, 82.747,
299.615

■ 40, 62.174,
293.827

■ 27, 92.083,
302.270

■ 45, 52.014,
291.147

■ 26, 94.411,
302.886

■ 50, 42.182,
288.754

■ 56, 32.695,
286.669

■ 61, 23.531,
284.876

■ 67, 14.662,
283.342

■ 72, 6.065, 282.040

■ 78, 2.281, 100.824

Harmonies

Complementary

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



35, 72.538, 296.707



67, 60.738, 92.020

Rectangle

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



35, 72.538, 296.707



35, 72.538, 346.707



35, 72.538, 116.707



35, 72.538, 166.707

Sweetspot

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



35, 72.538, 296.708



81, 24.501, 284.256



69, 44.077, 174.685



41, 17.047, 284.837



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35, 72.538, 296.708



38, 109.427, 301.604



33, 87.046, 307.875



37, 4.787, 282.298



21, 82.198, 302.557



2, 15.131, 284.767

Inverse Universe

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



42, 61.420, 19.525



52, 87.422, 27.777



71, 72.054, 118.455



37, 4.215, 5.053



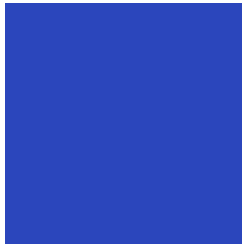
33, 65.169, 29.725



3, 12.497, 8.776

Previews

White Background



This preview shows how the CIE LCh color 35, 72.538, 296.707 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 35, 72.538, 296.707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

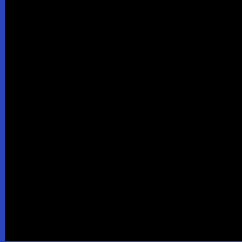
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 72.538, 296.707

Background



This preview shows how black text looks on a background with the CIELCh color 35, 72.538, 296.707.



This preview shows how white text looks on a background with the CIELCh color 35, 72.538, 296.707.

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


35, 72.538, 296.707

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 38.632, 272.931



Tritanopia
35, 22.882, 206.153

Trichromacy



Original Color
35, 72.538, 296.707

Protanomaly
35, 61.502, 290.397

Deuteranomaly
34, 50.312, 284.813

Tritanomaly
34, 32.018, 266.900

Monochromacy



Original Color
35, 72.538, 296.707

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 27.292, 287.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 72.538, 296.707 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(43, 70, 188)` looks like.

```
.text, #text, p{  
    color:rgb(43, 70, 188)  
}
```

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(43, 70, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 70, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 72.538, 296.707 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(43, 70, 188) }
```

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

```
.border{ border-color:rgb(43, 70, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 70, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 70, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 70, 188);  
box-shadow:4px 4px 4px 4px rgb(43, 70,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 72.538, 296.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 70, 188) }
```

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

```
.background{ background-color: rgb(43, 70,  
188) }
```

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