

Converting Colors

CIELCh(34, 76.511, 295.310)

Have a look what the booklet for
CIELCh(34, 76.511, 295.310)
contains.

CIELCh(34, 75.950, 295.184)	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(34, 75.950, 295.184)

Conversions

Conversions Part 1

Format	Color
Hex	0045C0
RGB	0, 69, 192
RGB Percent	0%, 27%, 75%
CMY	1.0000, 0.7304, 0.2483
CMYK	1.00, 0.64, 0.00, 0.25
HSL	218°, 100%, 38%
HSV	218°, 100%, 75%
XYZ	11.5750, 8.0082, 50.6221
YIQ	62.3910, -80.6070, 23.6250

Conversions

Conversions Part 2

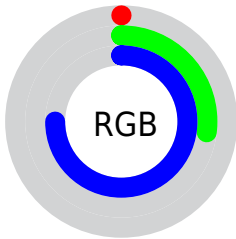
Format	Color
R _{YB}	0, 51, 192
Decimal	17856
CIE Lab	34.00, 32.32, -68.73
CIE LCh	34, 75.950, 295.184
Yxy	8.0082, 0.1649, 0.1141
Android (android.graphics.Color)	4278207936 (0xFF0045C0)
YUV	62.3910, 63.8972, -54.7169
Hunter-Lab	28.2988, 23.4887, -86.2513

Details

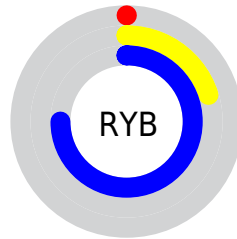
The CIELCh color **34, 75.950, 295.184** is a dark color, and the websafe version is hex **003399**. The color can be described as dark washed blue. A complement of this color would be **57, 66.565, 73.171**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 75.499, 295.008**, and **19, 71.811, 301.629** is the 20% darker color. If you saturate the color by 10%, you get **34, 75.941, 295.224**, and if you desaturate by 10%, it is **38, 67.698, 291.577**.

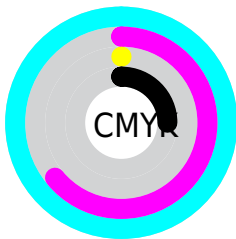
Distribution



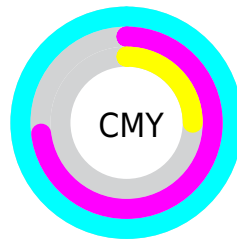
- Red (0%)
- Green (27%)
- Blue (75%)



- Red (0%)
- Yellow (20%)
- Blue (75%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (25%)




- Cyan (100%)
- Magenta (73%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 75.950, 295.184 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 34, 75.950, 295.184 by changing the saturation by 10% instead.


 34, 75.950,
295.184


 34, 75.950,
295.184

 100, 75.950,
295.184


 24, 75.950,
295.184

 54, 75.950,
295.184

 14, 75.950,
295.184

 64, 75.950,
295.184

 4, 75.950, 295.184

 74, 75.950,
295.184

 0, 75.950, 295.184

 84, 75.950,
295.184

 94, 75.950,
295.184

■ 34, 75.950,
295.184

■ 34, 75.950,
295.184

■ 34, 75.941,
295.224

■ 38, 67.698,
291.577

■ 41, 59.544,
287.837

■ 46, 51.583,
284.295

■ 50, 43.828,
281.082

■ 54, 36.248,
278.252

■ 59, 28.804,
275.803

■ 64, 21.468,
273.705

■ 68, 14.226,

271.916

■ 73, 7.072, 270.399

Harmonies

Complementary

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



34, 75.950, 295.184



57, 66.565, 73.171

Rectangle

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



34, 75.950, 295.184



34, 75.950, 345.184



34, 75.950, 115.184



34, 75.950, 165.184

Sweetspot

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



34, 75.941, 295.224



81, 26.635, 273.799



69, 61.943, 156.891



41, 18.216, 274.657



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



34, 75.941, 295.224



44, 94.293, 295.841



24, 107.123, 306.774



38, 4.044, 270.313



28, 65.701, 294.710



3, 14.750, 278.659

Inverse Universe

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



41, 69.153, 15.809



53, 84.700, 16.794



73, 79.153, 110.948



38, 4.662, 352.836



34, 60.519, 15.011



3, 14.872, 0.435

Previews

White Background



This preview shows how the CIE LCh color 34, 75.950, 295.184 looks on a white background.

Color Contrast Check

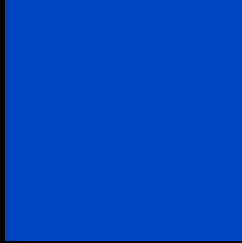
Large Text (above 18pt) WCAG AA ✓ Pass

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 34, 75.950, 295.184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

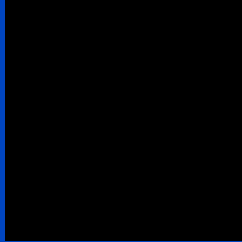
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 75.950, 295.184

Background



This preview shows how black text looks on a background with the CIELCh color 34, 75.950, 295.184.



This preview shows how white text looks on a background with the CIELCh color 34, 75.950, 295.184.

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

34, 75.950, 295.184

Protanopia

34, 54.053, 286.218

Deuteranopia

34, 37.576, 272.452



Tritanopia
34, 22.603, 204.647

Trichromacy



Original Color
34, 75.950, 295.184

Protanomaly
34, 61.795, 290.165

Deuteranomaly
34, 51.172, 284.713

Tritanomaly
33, 32.939, 266.217

Monochromacy



Original Color
34, 75.950, 295.184

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 29.655, 281.521

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 75.950, 295.184 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, 69, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 69, 192)  
}
```

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, 69, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 69, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 75.950, 295.184 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, 69, 192) }
```

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

```
.border{ border-color:rgb(0, 69, 192) }
```

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

Here you see how a box with a 4 pixel rgb(0, 69, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 69, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 69, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 69, 192)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 75.950, 295.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 69, 192) }
```

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

```
.background{ background-color: rgb(0, 69,  
192) }
```

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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