

Converting Colors

CIELCh(35, 65.332, 293.988)

Have a look what the booklet for
CIELCh(35, 65.332, 293.988)
contains.

CIELCh(35, 65.508, 294.091)	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, 65.508, 294.091)

Conversions

Conversions Part 1

Format	Color
Hex	2749B3
RGB	39, 73, 179
RGB Percent	15%, 29%, 70%
CMY	0.8486, 0.7125, 0.2966
CMYK	0.78, 0.59, 0.00, 0.30
HSL	225°, 65%, 43%
HSV	225°, 78%, 70%
XYZ	11.3981, 8.4984, 43.8838
YIQ	74.9180, -54.2900, 25.7580

Conversions

Conversions Part 2

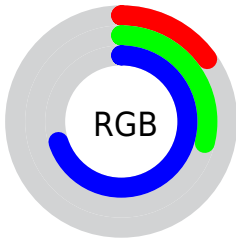
Format	Color
R _Y B	39, 66, 179
Decimal	2574771
CIE Lab	35.00, 26.74, -59.80
CIE LCh	35, 65.508, 294.091
Yxy	8.4984, 0.1787, 0.1332
Android (android.graphics.Color)	4280764851 (0xFF2749B3)
YUV	74.9180, 51.3124, -31.5001
Hunter-Lab	29.1520, 18.7757, -68.8455

Details

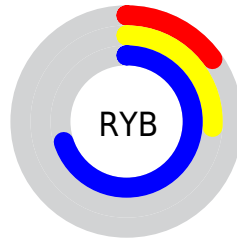
The CIELCh color **35, 65.508, 294.091** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **62, 57.191, 87.384**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 65.773, 294.187**, and **18, 63.124, 299.645** is the 20% darker color. If you saturate the color by 10%, you get **31, 74.752, 297.278**, and if you desaturate by 10%, it is **39, 56.311, 290.999**.

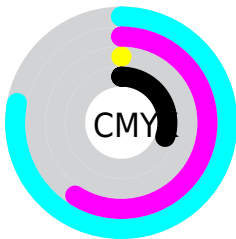
Distribution



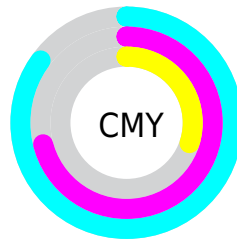
- Red (15%)
- Green (29%)
- Blue (70%)



- Red (15%)
- Yellow (26%)
- Blue (70%)



- Cyan (78%)
- Magenta (59%)
- Yellow (0%)
- Black (30%)





- Cyan (85%)
- Magenta (71%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 65.508, 294.091 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, 65.508, 294.091 by changing the saturation by 10% instead.


 35, 65.508,
294.091


 35, 65.508,
294.091

 100, 65.508,
294.091


 25, 65.508,
294.091

 55, 65.508,
294.091


 15, 65.508,
294.091


 65, 65.508,
294.091

 5, 65.508, 294.091

 75, 65.508,
294.091

 0, 65.508, 294.091

 85, 65.508,
294.091

 95, 65.508,
294.091

■ 35, 65.508,
294.091

■ 35, 65.508,
294.091

■ 31, 74.752,
297.278

■ 39, 56.311,
290.999

■ 27, 83.621,
300.282

■ 44, 47.349,
288.151

■ 27, 84.908,
300.683

■ 49, 38.670,
285.619

■ 54, 30.263,
283.416

■ 59, 22.101,
281.521

■ 64, 14.160,
279.898

■ 69, 6.421, 278.517

■ 74, 1.128, 97.140

Harmonies

Complementary

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



35, 65.508, 294.091



62, 57.191, 87.384

Rectangle

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



35, 65.508, 294.091



35, 65.508, 344.091



35, 65.508, 114.091



35, 65.508, 164.091

Sweetspot

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



35, 65.508, 294.092



77, 22.842, 280.828



66, 45.172, 170.155



39, 15.891, 281.425



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



35, 65.508, 294.092



38, 98.349, 299.468



30, 85.478, 306.972



35, 4.276, 278.624



23, 74.609, 300.300



2, 10.898, 280.977

Inverse Universe

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



40, 58.975, 15.127



49, 81.576, 23.372



68, 69.417, 116.187



35, 4.117, 0.582



32, 61.251, 24.849



2, 9.533, 3.984

Previews

White Background



This preview shows how the CIE LCh color 35, 65.508, 294.091 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 CIE LCh color 35, 65.508, 294.091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

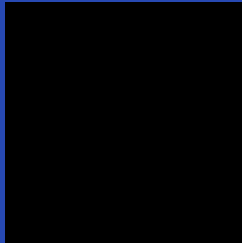
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 65.508, 294.091

Background



This preview shows how black text looks on a background with the CIELCh color 35, 65.508, 294.091.



This preview shows how white text looks on a background with the CIELCh color 35, 65.508, 294.091.

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, 65.491, 294.197

Protanopia

35, 55.065, 286.249

Deuteranopia

35, 39.164, 273.506



Tritanopia
35, 22.882, 206.153

Trichromacy



Original Color
35, 65.491, 294.197

Protanomaly
35, 58.554, 288.964

Deuteranomaly
35, 48.559, 283.382

Tritanomaly
34, 29.745, 261.515

Monochromacy



Original Color
35, 65.491, 294.197

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 24.843, 285.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 65.508, 294.091 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(39, 73, 179)` looks like.

```
.text, #text, p{  
    color:rgb(39, 73, 179)  
}
```

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(39, 73, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 73, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 65.508, 294.091 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(39, 73, 179) }
```

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

```
.border{ border-color:rgb(39, 73, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 73, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 73, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 73, 179);  
box-shadow:4px 4px 4px 4px rgb(39, 73,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 65.508, 294.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 73, 179) }
```

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

```
.background{ background-color: rgb(39, 73,  
179) }
```

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