

Converting Colors

CIELCh(33, 61.220, 279.442)

Have a look what the booklet for
CIELCh(33, 61.220, 279.442)
contains.

CIELCh(35, 59.655, 288.296)	3
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Color

CIELCh(35, 59.655, 288.296)

Conversions

Conversions Part 1

Format	Color
Hex	004EAE
RGB	0, 78, 174
RGB Percent	0%, 31%, 68%
CMY	1.0000, 0.6936, 0.3178
CMYK	1.00, 0.55, 0.00, 0.32
HSL	213°, 100%, 34%
HSV	213°, 100%, 68%
XYZ	10.3227, 8.4984, 41.1252
YIQ	65.6220, -77.3040, 13.3200

Conversions

Conversions Part 2

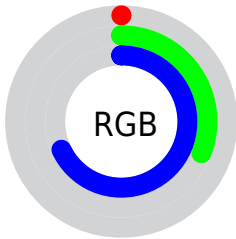
Format	Color
RYB	0, 54, 174
Decimal	20142
CIELab	35.00, 18.73, -56.64
CIELCh	35, 59.655, 288.296
Yxy	8.4984, 0.1722, 0.1418
Android (android.graphics.Color)	4278210222 (0xFF004EAE)
YUV	65.6220, 53.4304, -57.5505
Hunter-Lab	29.1520, 12.1907, -63.2349

Details

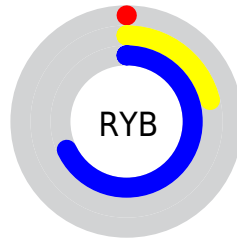
The CIELCh color **35, 59.655, 288.296** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **49, 62.818, 65.113**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 59.727, 288.648**, and **18, 58.007, 297.605** is the 20% darker color. If you saturate the color by 10%, you get **35, 59.626, 288.466**, and if you desaturate by 10%, it is **38, 53.360, 284.349**.

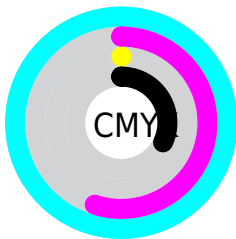
Distribution



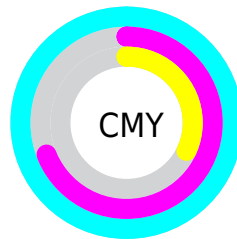
- Red (0%)
- Green (31%)
- Blue (68%)



- Red (0%)
- Yellow (21%)
- Blue (68%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (32%)





- Cyan (100%)
- Magenta (69%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 59.655, 288.296 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, 59.655, 288.296 by changing the saturation by 10% instead.


 35, 59.655,
288.296


 35, 59.655,
288.296

 100, 59.655,
288.296

 25, 59.655,
288.296

 55, 59.655,
288.296


 15, 59.655,
288.296


 65, 59.655,
288.296

 5, 59.655, 288.296

 75, 59.655,
288.296

 0, 59.655, 288.296

 85, 59.655,
288.296

 95, 59.655,
288.296

■ 35, 59.655,
288.296

■ 35, 59.655,
288.296

■ 35, 59.626,
288.466

■ 38, 53.360,
284.349

■ 41, 47.285,
280.235

■ 45, 41.342,
276.431

■ 48, 35.471,
273.041

■ 52, 29.617,
270.092

■ 56, 23.745,
267.568

■ 59, 17.844,
265.423

■ 63, 11.913,

263.609

■ 67, 5.962, 262.085

Harmonies

Complementary

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



35, 59.655, 288.296



49, 62.818, 65.113

Rectangle

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



35, 59.655, 288.296



35, 59.655, 338.296



35, 59.655, 108.296



35, 59.655, 158.296

Sweetspot

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



35, 59.626, 288.466



76, 22.148, 265.529



63, 63.242, 151.912



38, 15.221, 266.380



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



35, 59.626, 288.466



46, 74.086, 289.264



20, 100.199, 306.446



35, 3.367, 261.990



30, 52.932, 287.932



3, 7.702, 268.398

Inverse Universe

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



37, 63.378, 6.658



49, 77.317, 7.602



68, 72.895, 105.924



34, 4.491, 347.235



32, 56.955, 6.045



2, 8.889, 351.526

Previews

White Background



This preview shows how the CIE LCh color 35, 59.655, 288.296 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, 59.655, 288.296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

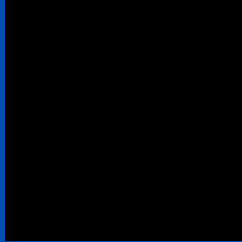
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 59.655, 288.296

Background



This preview shows how black text looks on a background with the CIELCh color 35, 59.655, 288.296.



This preview shows how white text looks on a background with the CIELCh color 35, 59.655, 288.296.

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, 59.734, 288.539

Protanopia

35, 56.213, 286.793

Deuteranopia

35, 39.158, 273.159



Tritanopia
35, 23.141, 204.408

Trichromacy



Original Color
35, 59.734, 288.539

Protanomaly
35, 57.361, 287.315

Deuteranomaly
35, 46.319, 280.071

Tritanomaly
35, 28.612, 255.003

Monochromacy



Original Color
35, 59.734, 288.539

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 23.626, 272.631

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 59.655, 288.296 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, 78, 174)` looks like.

```
.text, #text, p{  
    color:rgb(0, 78, 174)  
}
```

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, 78, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 78, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 59.655, 288.296 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, 78, 174) }
```

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

```
.border{ border-color:rgb(0, 78, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 78, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 78, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 78, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 78, 174)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 59.655, 288.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 78, 174) }
```

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

```
.background{ background-color: rgb(0, 78,  
174) }
```

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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