

Converting Colors

CIELCh(33, 60.595, 279.902)

Have a look what the booklet for
CIELCh(33, 60.595, 279.902)
contains.

CIELCh(35, 58.508, 287.816)	3
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Color

CIELCh(35, 58.508, 287.816)

Conversions

Conversions Part 1

Format	Color
Hex	004EAC
RGB	0, 78, 172
RGB Percent	0%, 31%, 67%
CMY	1.0000, 0.6922, 0.3239
CMYK	1.00, 0.54, 0.00, 0.32
HSL	213°, 100%, 34%
HSV	213°, 100%, 68%
XYZ	10.2158, 8.4984, 40.3306
YIQ	65.3940, -76.6620, 12.6980

Conversions

Conversions Part 2

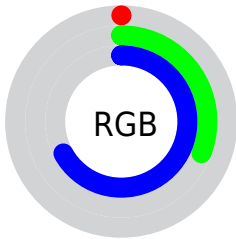
Format	Color
RYB	0, 54, 172
Decimal	20140
CIELab	35.00, 17.90, -55.70
CIELCh	35, 58.508, 287.816
Yxy	8.4984, 0.1730, 0.1439
Android (android.graphics.Color)	4278210220 (0xFF004EAC)
YUV	65.3940, 52.5568, -57.3505
Hunter-Lab	29.1520, 11.5363, -61.6189

Details

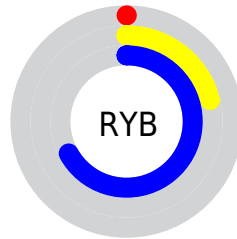
The CIELCh color **35, 58.508, 287.816** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **48, 62.504, 64.599**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 58.655, 288.125**, and **18, 56.805, 297.295** is the 20% darker color. If you saturate the color by 10%, you get **35, 58.491, 287.917**, and if you desaturate by 10%, it is **38, 52.374, 283.773**.

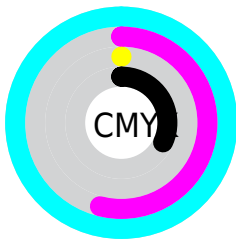
Distribution



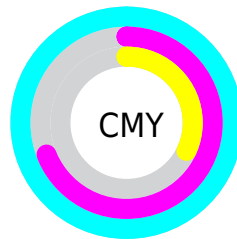
- Red (0%)
- Green (31%)
- Blue (67%)



- Red (0%)
- Yellow (21%)
- Blue (67%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (32%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 58.508, 287.816 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, 58.508, 287.816 by changing the saturation by 10% instead.


 35, 58.508,
287.816


 35, 58.508,
287.816

 100, 58.508,
287.816


 25, 58.508,
287.816

 55, 58.508,
287.816


 15, 58.508,
287.816


 65, 58.508,
287.816

 5, 58.508, 287.816

 75, 58.508,
287.816

 0, 58.508, 287.816

 85, 58.508,
287.816

 95, 58.508,
287.816

■ 35, 58.508,
287.816

■ 35, 58.508,
287.816

■ 35, 58.491,
287.917

■ 38, 52.374,
283.773

■ 41, 46.445,
279.636

■ 44, 40.641,
275.818

■ 48, 34.898,
272.420

■ 52, 29.160,
269.467

■ 55, 23.396,
266.942

■ 59, 17.592,
264.798

■ 63, 11.751,

262.986

■ 67, 5.885, 261.465

Harmonies

Complementary

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



35, 58.508, 287.816



48, 62.504, 64.599

Rectangle

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



35, 58.508, 287.816



35, 58.508, 337.816



35, 58.508, 107.816



35, 58.508, 157.816

Sweetspot

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



35, 58.491, 287.917



75, 21.797, 264.903



62, 63.945, 151.010



38, 14.837, 265.741



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



35, 58.491, 287.917



46, 72.542, 288.725



20, 99.610, 306.394



35, 3.348, 261.371



30, 52.315, 287.410



3, 7.663, 267.958

Inverse Universe

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



37, 62.957, 6.029



48, 76.650, 6.961



68, 72.332, 104.904



34, 4.509, 346.878



32, 56.965, 5.459



2, 8.917, 351.198

Previews

White Background



This preview shows how the CIE LCh color 35, 58.508, 287.816 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, 58.508, 287.816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

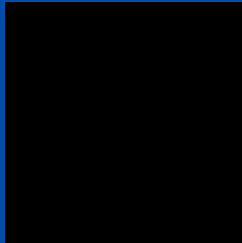
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 58.508, 287.816

Background



This preview shows how black text looks on a background with the CIELCh color 35, 58.508, 287.816.



This preview shows how white text looks on a background with the CIELCh color 35, 58.508, 287.816.

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, 58.585, 288.064

Protanopia

35, 56.213, 286.793

Deuteranopia

35, 39.690, 273.723



Tritanopia
35, 23.141, 204.408

Trichromacy



Original Color
35, 58.585, 288.064

Protanomaly
35, 56.787, 287.057

Deuteranomaly
35, 46.319, 280.071

Tritanomaly
35, 28.205, 253.923

Monochromacy



Original Color
35, 58.585, 288.064

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 23.104, 271.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 58.508, 287.816 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 78, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 78, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 58.508, 287.816 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, 172) }
```

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

```
.border{ border-color:rgb(0, 78, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 78, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 78, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 78, 172)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 58.508, 287.816 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, 172) }
```

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

```
.background{ background-color: rgb(0, 78,  
172) }
```

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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