

Converting Colors

CIELCh(31, 49.292, 229.244)

Have a look what the booklet for
CIELCh(31, 49.292, 229.244)
contains.

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Color

CIELCh(35, 30.821, 259.578)

Conversions

Conversions Part 1

Format	Color
Hex	005782
RGB	0, 87, 130
RGB Percent	0%, 34%, 51%
CMY	1.0000, 0.6571, 0.4887
CMYK	1.00, 0.33, 0.00, 0.49
HSL	200°, 100%, 26%
HSV	200°, 100%, 51%
XYZ	7.4783, 8.4984, 22.5010
YIQ	65.8890, -65.6550, -5.0710

Conversions

Conversions Part 2

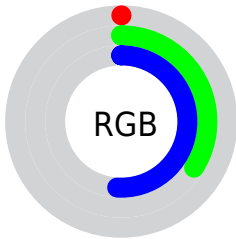
Format	Color
RYB	0, 52, 130
Decimal	22402
CIELab	35.00, -5.58, -30.31
CIELCh	35, 30.821, 259.578
Yxy	8.4984, 0.1944, 0.2209
Android (android.graphics.Color)	4278212482 (0xFF005782)
YUV	65.8890, 31.6067, -57.7847
Hunter-Lab	29.1520, -5.2256, -25.3567

Details

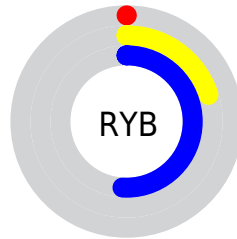
The CIELCh color **35, 30.821, 259.578** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **31, 55.710, 49.748**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 30.560, 259.184**, and **17, 27.279, 276.889** is the 20% darker color. If you saturate the color by 10%, you get **35, 30.769, 259.754**, and if you desaturate by 10%, it is **37, 28.749, 255.285**.

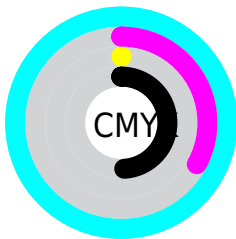
Distribution



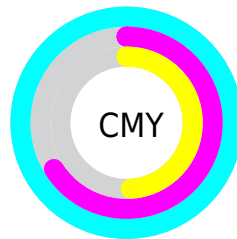
- Red (0%)
- Green (34%)
- Blue (51%)



- Red (0%)
- Yellow (20%)
- Blue (51%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (49%)





- Cyan (100%)
- Magenta (66%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 30.821, 259.578 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, 30.821, 259.578 by changing the saturation by 10% instead.


 35, 30.821,
259.578


 35, 30.821,
259.578

 100, 30.821,
259.578


 25, 30.821,
259.578

 55, 30.821,
259.578


 15, 30.821,
259.578


 65, 30.821,
259.578

 5, 30.821, 259.578

 75, 30.821,
259.578

 0, 30.821, 259.578

 85, 30.821,
259.578

 95, 30.821,
259.578

■ 35, 30.821,
259.578

■ 35, 30.821,
259.578

■ 35, 30.769,
259.754

■ 37, 28.749,
255.285

■ 38, 26.669,
251.066

■ 40, 24.340,
247.468

■ 42, 21.707,
244.472

■ 44, 18.750,
242.018

■ 46, 15.482,
240.027

■ 48, 11.934,
238.424

■ 50, 8.144, 237.141

Harmonies

Complementary

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



35, 30.821, 259.578



31, 55.710, 49.748

Rectangle

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



35, 30.821, 259.578



35, 30.821, 309.578



35, 30.821, 79.578



35, 30.821, 129.578

Sweetspot

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



35, 30.769, 259.754



61, 14.677, 238.521



47, 62.776, 142.307



30, 9.876, 239.051



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



35, 30.769, 259.754



45, 37.542, 261.009



17, 70.630, 302.218



27, 2.379, 236.066



35, 30.707, 259.740



0, 0.579, 235.223

Inverse Universe

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



28, 55.424, 346.386



37, 66.501, 346.936



46, 52.489, 89.751



26, 4.183, 336.079



28, 55.323, 346.380



0, 0.994, 335.497

Previews

White Background



This preview shows how the CIE LCh color 35, 30.821, 259.578 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, 30.821, 259.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

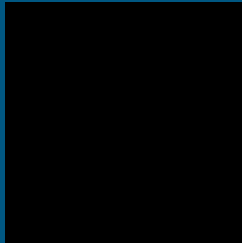
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 30.821, 259.578

Background



This preview shows how black text looks on a background with the CIELCh color 35, 30.821, 259.578.

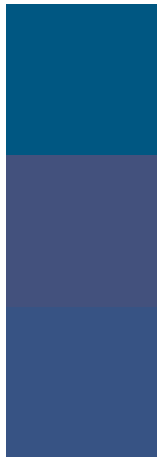


This preview shows how white text looks on a background with the CIELCh color 35, 30.821, 259.578.

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, 30.768, 259.970

Protanopia

35, 27.599, 285.125

Deuteranopia

35, 31.117, 279.679



Tritanopia
35, 23.060, 206.058

Trichromacy



Original Color
35, 30.768, 259.970

Protanomaly
34, 29.020, 271.743

Deuteranomaly
35, 30.660, 269.423

Tritanomaly
35, 23.451, 229.771

Monochromacy



Original Color
35, 30.768, 259.970

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 14.365, 240.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 30.821, 259.578 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, 87, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 87, 130)  
}
```

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, 87, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 30.821, 259.578 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, 87, 130) }
```

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

```
.border{ border-color:rgb(0, 87, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 87, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 87, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 87, 130)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 30.821, 259.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 87, 130) }
```

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

```
.background{ background-color: rgb(0, 87,  
130) }
```

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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