

Converting Colors

CIELCh(35, 29.516, 256.678)

Have a look what the booklet for
CIELCh(35, 29.516, 256.678)
contains.

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Color

CIELCh(35, 29.516, 256.678)

Conversions

Conversions Part 1

Format	Color
Hex	005880
RGB	0, 88, 128
RGB Percent	0%, 35%, 50%
CMY	1.0000, 0.6556, 0.4988
CMYK	1.00, 0.31, 0.00, 0.50
HSL	199°, 100%, 25%
HSV	199°, 100%, 50%
XYZ	7.3507, 8.4984, 21.6051
YIQ	66.2480, -65.2880, -6.2160

Conversions

Conversions Part 2

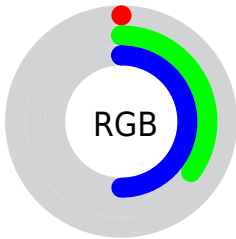
Format	Color
RYB	0, 52, 128
Decimal	22656
CIELab	35.00, -6.80, -28.72
CIELCh	35, 29.516, 256.678
Yxy	8.4984, 0.1963, 0.2269
Android (android.graphics.Color)	4278212736 (0xFF005880)
YUV	66.2480, 30.4437, -58.0995
Hunter-Lab	29.1520, -6.0071, -23.5345

Details

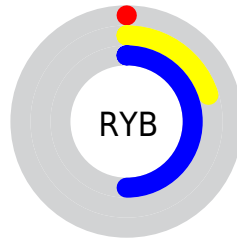
The CIELCh color **35, 29.516, 256.678** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **30, 55.221, 48.796**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 29.384, 256.323**, and **17, 25.447, 273.599** is the 20% darker color. If you saturate the color by 10%, you get **35, 29.497, 256.737**, and if you desaturate by 10%, it is **36, 27.692, 252.359**.

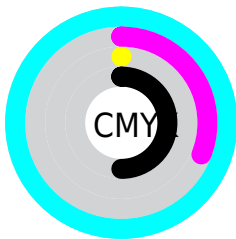
Distribution



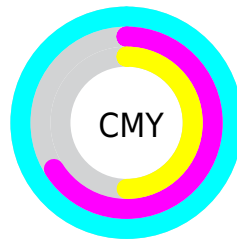
- Red (0%)
- Green (35%)
- Blue (50%)



- Red (0%)
- Yellow (20%)
- Blue (50%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (50%)





- Cyan (100%)
- Magenta (66%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 29.516, 256.678 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, 29.516, 256.678 by changing the saturation by 10% instead.


 35, 29.516,
256.678

 35, 29.516,
256.678


 100, 29.516,
256.678


 25, 29.516,
256.678

 55, 29.516,
256.678


 15, 29.516,
256.678


 65, 29.516,
256.678

 5, 29.516, 256.678

 75, 29.516,
256.678

 0, 29.516, 256.678

 85, 29.516,
256.678

 95, 29.516,
256.678

■ 35, 29.516,
256.678

■ 35, 29.516,
256.678

■ 35, 29.497,
256.737

■ 36, 27.692,
252.359

■ 38, 25.804,
248.250

■ 40, 23.640,
244.771

■ 41, 21.147,
241.893

■ 43, 18.313,
239.549

■ 45, 15.153,
237.660

■ 47, 11.699,
236.148

■ 49, 7.995, 234.946

Harmonies

Complementary

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



35, 29.516, 256.678



30, 55.221, 48.796

Rectangle

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



35, 29.516, 256.678



35, 29.516, 306.678



35, 29.516, 76.678



35, 29.516, 126.678

Sweetspot

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



35, 29.497, 256.737



60, 14.444, 236.242



46, 62.572, 141.816



30, 9.834, 236.748



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, 29.497, 256.737



45, 36.070, 258.025



17, 68.215, 301.596



26, 2.300, 233.948



35, 29.444, 256.724



0, 0.000, 0.000

Inverse Universe

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



28, 55.194, 345.131



37, 66.430, 345.656



44, 51.344, 88.401



25, 4.096, 335.377



27, 55.103, 345.126



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 35, 29.516, 256.678 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, 29.516, 256.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

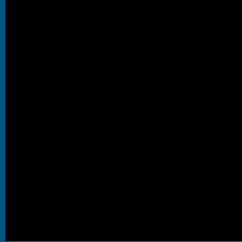
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 29.516, 256.678

Background



This preview shows how black text looks on a background with the CIELCh color 35, 29.516, 256.678.

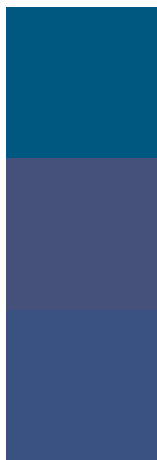


This preview shows how white text looks on a background with the CIELCh color 35, 29.516, 256.678.

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, 29.516, 256.678

Protanopia

35, 25.708, 285.370

Deuteranopia

35, 29.794, 280.721



Tritanopia
35, 23.060, 206.058

Trichromacy



Original Color
35, 29.516, 256.678

Protanomaly
34, 27.329, 269.958

Deuteranomaly
35, 29.978, 269.803

Tritanomaly
35, 23.284, 228.169

Monochromacy



Original Color
35, 29.516, 256.678

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 14.034, 238.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 29.516, 256.678 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, 88, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 128)  
}
```

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, 88, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 29.516, 256.678 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, 88, 128) }
```

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

```
.border{ border-color:rgb(0, 88, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 88, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 88, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 88, 128)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 29.516, 256.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 128) }
```

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

```
.background{ background-color: rgb(0, 88,  
128) }
```

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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