

Converting Colors

CIELCh(34, 30.649, 260.987)

Have a look what the booklet for
CIELCh(34, 30.649, 260.987)
contains.

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Color

CIELCh(34, 30.634, 260.878)

Conversions

Conversions Part 1

Format	Color
Hex	005580
RGB	0, 85, 128
RGB Percent	0%, 33%, 50%
CMY	0.9989, 0.6677, 0.4992
CMYK	1.00, 0.34, 0.00, 0.50
HSL	200°, 100%, 25%
HSV	200°, 100%, 50%
XYZ	7.1085, 8.0082, 21.4945
YIQ	64.4870, -64.4630, -4.6470

Conversions

Conversions Part 2

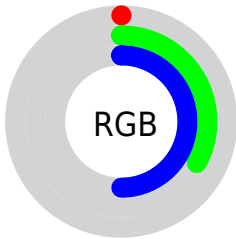
Format	Color
RYB	0, 51, 128
Decimal	21888
CIELab	34.00, -4.86, -30.25
CIELCh	34, 30.634, 260.878
Yxy	8.0082, 0.1942, 0.2187
Android (android.graphics.Color)	4278211968 (0xFF005580)
YUV	64.4870, 31.3119, -56.5551
Hunter-Lab	28.2988, -4.6847, -25.2249

Details

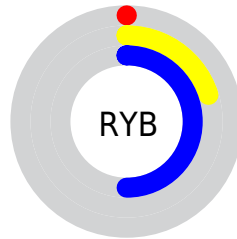
The CIELCh color **34, 30.634, 260.878** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **30, 54.444, 50.229**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 30.732, 261.301**, and **16, 27.338, 278.032** is the 20% darker color. If you saturate the color by 10%, you get **34, 30.681, 260.971**, and if you desaturate by 10%, it is **36, 28.553, 256.415**.

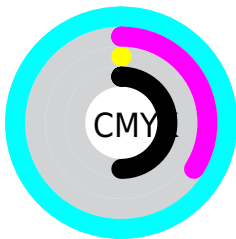
Distribution



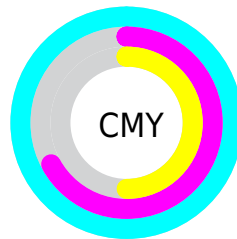
- Red (0%)
- Green (33%)
- Blue (50%)



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



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (50%)





- Cyan (100%)
- Magenta (67%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 30.634, 260.878 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 34, 30.634, 260.878 by changing the saturation by 10% instead.


 34, 30.634,
260.878

 34, 30.634,
260.878

 100, 30.634,
260.878


 24, 30.634,
260.878

 54, 30.634,
260.878


 14, 30.634,
260.878

 64, 30.634,
260.878

 4, 30.634, 260.878

 74, 30.634,
260.878

 0, 30.634, 260.878

 84, 30.634,
260.878

 94, 30.634,
260.878

■ 34, 30.634,
260.878

■ 34, 30.634,
260.878

■ 34, 30.681,
260.971

■ 36, 28.553,
256.415

■ 37, 26.421,
252.194

■ 39, 24.057,
248.584

■ 41, 21.406,
245.569

■ 43, 18.450,
243.093

■ 45, 15.199,
241.079

■ 47, 11.682,
239.451

■ 49, 7.936, 238.143

Harmonies

Complementary

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



34, 30.634, 260.878



30, 54.444, 50.229

Rectangle

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



34, 30.634, 260.878



34, 30.634, 310.878



34, 30.634, 80.878



34, 30.634, 130.878

Sweetspot

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



34, 30.633, 260.879



60, 14.530, 239.586



46, 60.920, 142.948



30, 9.901, 240.134



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



34, 30.633, 260.879



44, 37.613, 262.276



16, 70.546, 302.650



26, 2.304, 237.058



34, 30.641, 260.961



0, 0.000, 0.000

Inverse Universe

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



27, 54.345, 346.879



36, 65.472, 347.510



46, 52.099, 91.157



25, 4.026, 336.410



27, 54.311, 346.915



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 34, 30.634, 260.878 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 34, 30.634, 260.878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

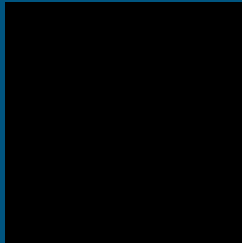
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 30.634, 260.878

Background



This preview shows how black text looks on a background with the CIELCh color 34, 30.634, 260.878.



This preview shows how white text looks on a background with the CIELCh color 34, 30.634, 260.878.

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

34, 30.666, 260.763

Protanopia

34, 27.100, 284.913

Deuteranopia

34, 31.273, 280.027



Tritanopia
34, 22.463, 208.059

Trichromacy



Original Color
34, 30.666, 260.763

Protanomaly
34, 28.545, 271.351

Deuteranomaly
34, 31.216, 270.998

Tritanomaly
34, 23.207, 232.322

Monochromacy



Original Color
34, 30.666, 260.763

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 14.166, 241.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 30.634, 260.878 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, 85, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 85, 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, 85, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 85, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 30.634, 260.878 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, 85, 128) }
```

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

```
.border{ border-color:rgb(0, 85, 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, 85, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 85, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 85, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 85, 128)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 30.634, 260.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 85, 128) }
```

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

```
.background{ background-color: rgb(0, 85,  
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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