

Converting Colors

CIELCh(33, 30.046, 246.708)

Have a look what the booklet for
CIELCh(33, 30.046, 246.708)
contains.

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Color

CIELCh(34, 27.649, 253.623)

Conversions

Conversions Part 1

Format	Color
Hex	02567A
RGB	2, 86, 122
RGB Percent	1%, 34%, 48%
CMY	0.9933, 0.6641, 0.5228
CMYK	0.99, 0.30, 0.00, 0.52
HSL	198°, 97%, 24%
HSV	198°, 99%, 48%
XYZ	6.8151, 8.0082, 19.5001
YIQ	64.9880, -61.6200, -6.6120

Conversions

Conversions Part 2

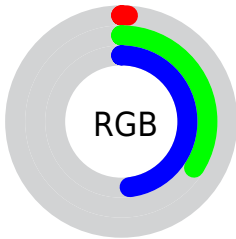
Format	Color
R _Y B	2, 51, 122
Decimal	153210
CIE Lab	34.00, -7.80, -26.53
CIE LCh	34, 27.649, 253.623
Yxy	8.0082, 0.1986, 0.2333
Android (android.graphics.Color)	4278343290 (0xFF02567A)
YUV	64.9880, 28.1069, -55.2405
Hunter-Lab	28.2988, -6.5354, -21.0462

Details

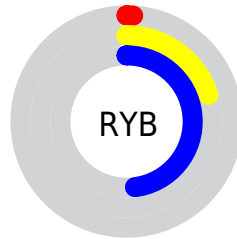
The CIELCh color **34, 27.649, 253.623** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **28, 52.557, 48.082**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 27.649, 253.345**, and **16, 23.676, 271.738** is the 20% darker color. If you saturate the color by 10%, you get **34, 27.886, 254.195**, and if you desaturate by 10%, it is **35, 26.037, 249.364**.

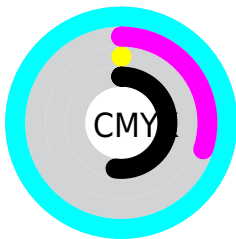
Distribution



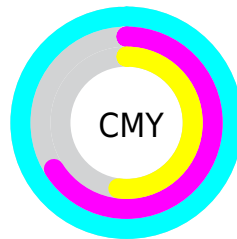
- Red (1%)
- Green (34%)
- Blue (48%)



- Red (1%)
- Yellow (20%)
- Blue (48%)



- Cyan (99%)
- Magenta (30%)
- Yellow (0%)
- Black (52%)





- Cyan (99%)
- Magenta (66%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 27.649, 253.623 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, 27.649, 253.623 by changing the saturation by 10% instead.

 34, 27.649,
253.623

 34, 27.649,
253.623

 100, 27.649,
253.623


 24, 27.649,
253.623

 54, 27.649,
253.623


 14, 27.649,
253.623

 64, 27.649,
253.623

 4, 27.649, 253.623

 74, 27.649,
253.623

 0, 27.649, 253.623

 84, 27.649,
253.623

 94, 27.649,
253.623

■ 34, 27.649,
253.623

■ 34, 27.649,
253.623

■ 34, 27.886,
254.195

■ 35, 26.037,
249.364

■ 37, 24.288,
245.475

■ 38, 22.240,
242.213

■ 40, 19.854,
239.534

■ 42, 17.125,
237.365

■ 44, 14.075,
235.625

■ 45, 10.739,
234.240

■ 47, 7.160, 233.148

Harmonies

Complementary

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



34, 27.649, 253.623



28, 52.557, 48.082

Rectangle

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



34, 27.649, 253.623



34, 27.649, 303.623



34, 27.649, 73.623



34, 27.649, 123.623

Sweetspot

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



34, 27.648, 253.624



58, 13.878, 234.510



44, 59.729, 142.141



29, 9.325, 234.963



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



34, 27.648, 253.624



44, 34.091, 255.535



16, 64.652, 301.143



25, 2.224, 232.354



35, 28.454, 254.344



68, 49.084, 257.268

Inverse Universe

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



26, 53.539, 343.924



35, 64.706, 344.656



42, 49.206, 88.659



24, 3.994, 334.858



27, 54.750, 344.198



56, 91.249, 345.346

Previews

White Background



This preview shows how the CIELCh color 34, 27.649, 253.623 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, 27.649, 253.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

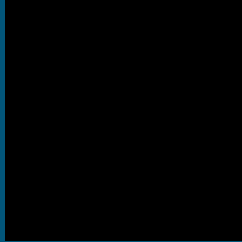
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 27.649, 253.623

Background



This preview shows how black text looks on a background with the CIELCh color 34, 27.649, 253.623.



This preview shows how white text looks on a background with the CIELCh color 34, 27.649, 253.623.

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, 27.646, 253.464

Protanopia

34, 23.335, 284.745

Deuteranopia

34, 27.381, 280.621



Tritanopia
34, 22.463, 208.059

Trichromacy



Original Color
34, 27.646, 253.464

Protanomaly
33, 25.096, 267.908

Deuteranomaly
34, 27.724, 268.122

Tritanomaly
34, 22.617, 225.559

Monochromacy



Original Color
34, 27.646, 253.464

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 13.502, 236.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 27.649, 253.623 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(2, 86, 122)` looks like.

```
.text, #text, p{  
    color:rgb(2, 86, 122)  
}
```

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(2, 86, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 86, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 27.649, 253.623 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(2, 86, 122) }
```

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

```
.border{ border-color:rgb(2, 86, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 86, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 86, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 86, 122);  
box-shadow:4px 4px 4px 4px rgb(2, 86, 122)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 27.649, 253.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 86, 122) }
```

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

```
.background{ background-color: rgb(2, 86,  
122) }
```

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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