

Converting Colors

CIELCh(29, 59.414, 216.133)

Have a look what the booklet for
CIELCh(29, 59.414, 216.133)
contains.

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Color

CIELCh(34, 27.418, 251.672)

Conversions

Conversions Part 1

Format	Color
Hex	005679
RGB	0, 86, 121
RGB Percent	0%, 34%, 47%
CMY	1.0000, 0.6629, 0.5260
CMYK	1.00, 0.29, 0.00, 0.53
HSL	197°, 100%, 24%
HSV	197°, 100%, 47%
XYZ	6.7341, 8.0082, 19.2417
YIQ	64.2760, -62.4910, -7.3470

Conversions

Conversions Part 2

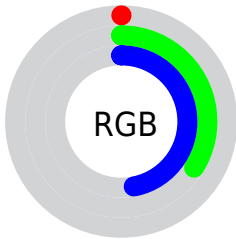
Format	Color
RYB	0, 50, 121
Decimal	22137
CIELab	34.00, -8.62, -26.03
CIELCh	34, 27.418, 251.672
Yxy	8.0082, 0.1982, 0.2356
Android (android.graphics.Color)	4278212217 (0xFF005679)
YUV	64.2760, 27.9649, -56.3701
Hunter-Lab	28.2988, -7.0461, -20.5050

Details

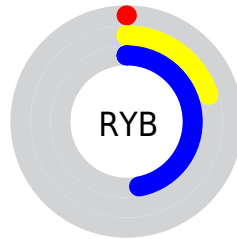
The CIELCh color **34, 27.418, 251.672** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **27, 53.248, 47.406**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 27.387, 252.018**, and **16, 23.090, 270.614** is the 20% darker color. If you saturate the color by 10%, you get **34, 27.302, 252.009**, and if you desaturate by 10%, it is **35, 25.800, 247.862**.

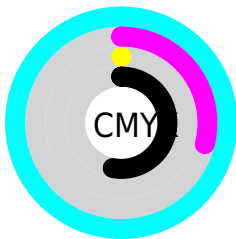
Distribution



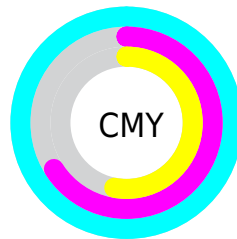
- Red (0%)
- Green (34%)
- Blue (47%)



- Red (0%)
- Yellow (20%)
- Blue (47%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (53%)





- Cyan (100%)
- Magenta (66%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 27.418, 251.672 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, 27.418, 251.672 by changing the saturation by 10% instead.


 34, 27.418,
251.672


 34, 27.418,
251.672

 100, 27.418,
251.672


 24, 27.418,
251.672

 54, 27.418,
251.672


 14, 27.418,
251.672


 64, 27.418,
251.672

 4, 27.418, 251.672

 74, 27.418,
251.672

 0, 27.418, 251.672

 84, 27.418,
251.672

 94, 27.418,
251.672

■ 34, 27.418,
251.672

■ 34, 27.418,
251.672

■ 34, 27.302,
252.009

■ 35, 25.800,
247.862

■ 37, 24.191,
243.980

■ 38, 22.273,
240.729

■ 40, 20.005,
238.065

■ 41, 17.380,
235.914

■ 43, 14.418,
234.195

■ 45, 11.156,
232.832

■ 47, 7.636, 231.761

Harmonies

Complementary

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



34, 27.418, 251.672



27, 53.248, 47.406

Rectangle

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



34, 27.418, 251.672



34, 27.418, 301.672



34, 27.418, 71.672



34, 27.418, 121.672

Sweetspot

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



34, 27.302, 252.009



58, 13.866, 232.923



44, 60.658, 141.426



29, 9.314, 233.355



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, 27.302, 252.009



44, 33.511, 253.370



16, 63.920, 300.815



25, 2.226, 230.889



35, 27.996, 252.195



69, 48.182, 255.085

Inverse Universe

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



26, 53.890, 343.332



35, 65.185, 343.831



42, 49.004, 87.097



24, 4.027, 334.391



27, 55.151, 343.400



56, 91.931, 344.481

Previews

White Background



This preview shows how the CIELCh color 34, 27.418, 251.672 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, 27.418, 251.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

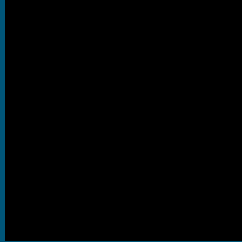
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 27.418, 251.672

Background



This preview shows how black text looks on a background with the CIELCh color 34, 27.418, 251.672.



This preview shows how white text looks on a background with the CIELCh color 34, 27.418, 251.672.

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, 27.334, 252.075

Protanopia

34, 22.685, 285.162

Deuteranopia

34, 26.735, 280.717



Tritanopia
34, 22.463, 208.059

Trichromacy



Original Color
34, 27.334, 252.075

Protanomaly
34, 24.115, 265.445

Deuteranomaly
34, 27.202, 267.295

Tritanomaly
34, 22.688, 225.454

Monochromacy



Original Color
34, 27.334, 252.075

Achromatopsia
27, 0.004, 296.813

Achromatomaly
29, 13.504, 236.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 27.418, 251.672 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, 86, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 86, 121)  
}
```

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, 86, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 86, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 27.418, 251.672 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, 86, 121) }
```

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

```
.border{ border-color:rgb(0, 86, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 86, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 86, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 86, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 86, 121)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 27.418, 251.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 86, 121) }
```

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

```
.background{ background-color: rgb(0, 86,  
121) }
```

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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