

Converting Colors

CIELCh(34, 32.457, 242.018)

Have a look what the booklet for
CIELCh(34, 32.457, 242.018)
contains.

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Color

CIELCh(35, 27.969, 252.019)

Conversions

Conversions Part 1

Format	Color
Hex	00587C
RGB	0, 88, 124
RGB Percent	0%, 35%, 49%
CMY	1.0000, 0.6533, 0.5123
CMYK	1.00, 0.29, 0.00, 0.51
HSL	197°, 100%, 24%
HSV	197°, 100%, 49%
XYZ	7.1626, 8.4984, 20.4491
YIQ	65.7920, -64.0040, -7.4600

Conversions

Conversions Part 2

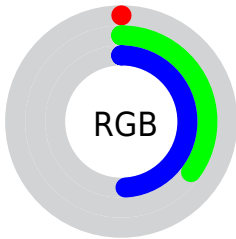
Format	Color
RYB	0, 51, 124
Decimal	22652
CIELab	35.00, -8.63, -26.60
CIELCh	35, 27.969, 252.019
Yxy	8.4984, 0.1984, 0.2353
Android (android.graphics.Color)	4278212732 (0xFF00587C)
YUV	65.7920, 28.6965, -57.6996
Hunter-Lab	29.1520, -7.1589, -21.1834

Details

The CIELCh color **35, 27.969, 252.019** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **28, 54.552, 47.465**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 27.894, 252.413**, and **17, 23.686, 270.473** is the 20% darker color. If you saturate the color by 10%, you get **35, 27.903, 252.209**, and if you desaturate by 10%, it is **36, 26.375, 248.011**.

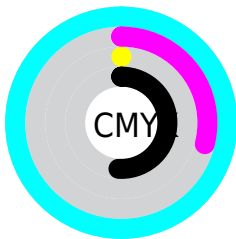
Distribution



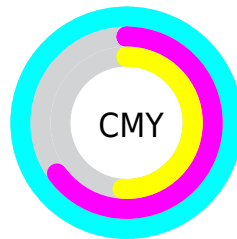
- Red (0%)
- Green (35%)
- Blue (49%)



- Red (0%)
- Yellow (20%)
- Blue (49%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (51%)





- Cyan (100%)
- Magenta (65%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 27.969, 252.019 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, 27.969, 252.019 by changing the saturation by 10% instead.


 35, 27.969,
252.019


 35, 27.969,
252.019

 100, 27.969,
252.019


 25, 27.969,
252.019

 55, 27.969,
252.019


 15, 27.969,
252.019


 65, 27.969,
252.019

 5, 27.969, 252.019

 75, 27.969,
252.019

 0, 27.969, 252.019

 85, 27.969,
252.019

 95, 27.969,
252.019

■ 35, 27.969,
252.019

■ 35, 27.969,
252.019

■ 35, 27.903,
252.209

■ 36, 26.375,
248.011

■ 38, 24.733,
244.100

■ 39, 22.777,
240.825

■ 41, 20.461,
238.141

■ 43, 17.779,
235.974

■ 44, 14.751,
234.243

■ 46, 11.415,
232.872

■ 48, 7.815, 231.795

Harmonies

Complementary

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



35, 27.969, 252.019



28, 54.552, 47.465

Rectangle

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



35, 27.969, 252.019



35, 27.969, 302.019



35, 27.969, 72.019



35, 27.969, 122.019

Sweetspot

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



35, 27.903, 252.209



59, 14.047, 232.958



45, 61.994, 141.363



30, 9.558, 233.406



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



35, 27.903, 252.209



45, 33.937, 253.482



17, 65.415, 300.902



25, 2.226, 230.917



35, 28.004, 252.235



69, 48.198, 255.126

Inverse Universe

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



27, 54.959, 343.405



36, 65.931, 343.873



43, 49.998, 87.044



24, 4.026, 334.400



27, 55.144, 343.414



56, 91.918, 344.497

Previews

White Background



This preview shows how the CIE LCh color 35, 27.969, 252.019 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, 27.969, 252.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

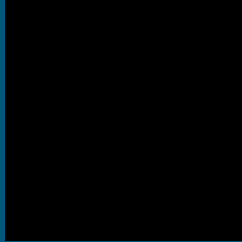
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 27.969, 252.019

Background



This preview shows how black text looks on a background with the CIELCh color 35, 27.969, 252.019.

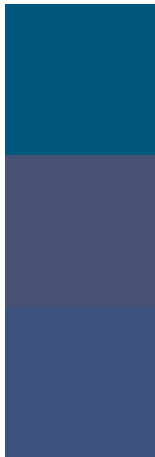


This preview shows how white text looks on a background with the CIELCh color 35, 27.969, 252.019.

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, 27.887, 252.414

Protanopia
35, 23.203, 285.418

Deuteranopia
35, 27.872, 280.911



Tritanopia
35, 22.996, 207.719

Trichromacy



Original Color
35, 27.887, 252.414

Protanomaly
35, 24.674, 265.596

Deuteranomaly
35, 27.747, 267.401

Tritanomaly
35, 23.157, 224.637

Monochromacy



Original Color
35, 27.887, 252.414

Achromatopsia
28, 0.004, 296.813

Achromatomaly
30, 13.725, 235.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 27.969, 252.019 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 27.969, 252.019 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, 124) }
```

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

```
.border{ border-color:rgb(0, 88, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 88, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 88, 124)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 27.969, 252.019 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, 124) }
```

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

```
.background{ background-color: rgb(0, 88,  
124) }
```

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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