

Converting Colors

CIELCh(35, 27.744, 250.901)

Have a look what the booklet for
CIELCh(35, 27.744, 250.901)
contains.

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Color

CIELCh(35, 27.588, 250.879)

Conversions

Conversions Part 1

Format	Color
Hex	00597B
RGB	0, 89, 123
RGB Percent	0%, 35%, 48%
CMY	1.0000, 0.6529, 0.5158
CMYK	1.00, 0.28, 0.00, 0.52
HSL	197°, 100%, 24%
HSV	197°, 100%, 48%
XYZ	7.1217, 8.4984, 20.1628
YIQ	66.2650, -63.9580, -8.2940

Conversions

Conversions Part 2

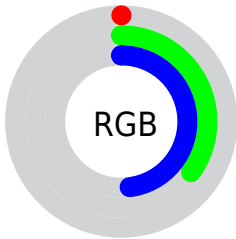
Format	Color
RYB	0, 52, 123
Decimal	22907
CIELab	35.00, -9.04, -26.07
CIELCh	35, 27.588, 250.879
Yxy	8.4984, 0.1990, 0.2375
Android (android.graphics.Color)	4278212987 (0xFF00597B)
YUV	66.2650, 27.9704, -58.1144
Hunter-Lab	29.1520, -7.4093, -20.6011

Details

The CIELCh color **35, 27.588, 250.879** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **28, 54.371, 47.135**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **55, 27.262, 250.032**, and **17, 22.564, 267.482** is the 20% darker color. If you saturate the color by 10%, you get **35, 27.534, 251.030**, and if you desaturate by 10%, it is **36, 26.071, 246.888**.

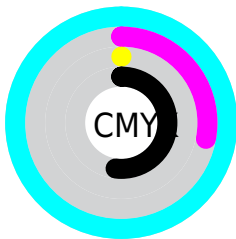
Distribution



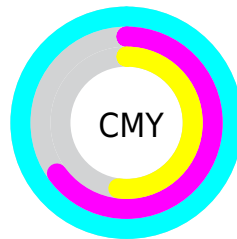
- Red (0%)
- Green (35%)
- Blue (48%)



- Red (0%)
- Yellow (20%)
- Blue (48%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (52%)





- Cyan (100%)
- Magenta (65%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 27.588, 250.879 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, 27.588, 250.879 by changing the saturation by 10% instead.


 35, 27.588,
250.879


 35, 27.588,
250.879

 100, 27.588,
250.879


 25, 27.588,
250.879

 55, 27.588,
250.879


 15, 27.588,
250.879


 65, 27.588,
250.879

 5, 27.588, 250.879

 75, 27.588,
250.879

 0, 27.588, 250.879

 85, 27.588,
250.879

 95, 27.588,
250.879

■ 35, 27.588,
250.879

■ 35, 27.588,
250.879

■ 35, 27.534,
251.030

■ 36, 26.071,
246.888

■ 38, 24.486,
243.035

■ 39, 22.578,
239.817

■ 41, 20.302,
237.187

■ 42, 17.655,
235.068

■ 44, 14.658,
233.379

■ 46, 11.349,
232.045

■ 48, 7.773, 231.001

Harmonies

Complementary

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



35, 27.588, 250.879



28, 54.371, 47.135

Rectangle

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



35, 27.588, 250.879



35, 27.588, 300.879



35, 27.588, 70.879



35, 27.588, 120.879

Sweetspot

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



35, 27.534, 251.030



59, 14.045, 232.131



45, 62.359, 140.889



30, 9.555, 232.568



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, 27.534, 251.030



45, 33.648, 252.332



17, 63.702, 300.221



25, 2.228, 230.155



35, 27.781, 251.095



70, 47.755, 253.964

Inverse Universe

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



27, 54.902, 342.982



36, 66.189, 343.449



42, 49.427, 85.631



24, 4.044, 334.160



27, 55.357, 343.005



56, 92.283, 344.054

Previews

White Background



This preview shows how the CIE LCh color 35, 27.588, 250.879 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 CIELCh color 35, 27.588, 250.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

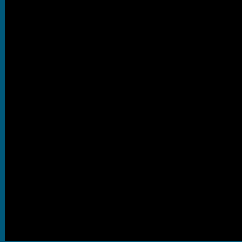
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 27.588, 250.879

Background



This preview shows how black text looks on a background with the CIELCh color 35, 27.588, 250.879.

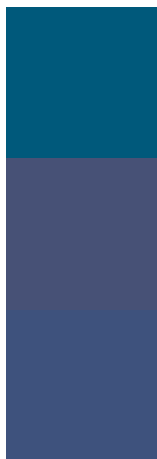


This preview shows how white text looks on a background with the CIELCh color 35, 27.588, 250.879.

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, 27.218, 249.708

Protanopia

35, 23.203, 285.418

Deuteranopia

35, 27.229, 281.017



Tritanopia
35, 22.996, 207.719

Trichromacy



Original Color
35, 27.218, 249.708

Protanomaly
35, 24.674, 265.596

Deuteranomaly
34, 27.232, 266.567

Tritanomaly
35, 23.157, 224.637

Monochromacy



Original Color
35, 27.218, 249.708

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, 27.588, 250.879 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, 89, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 89, 123)  
}
```

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, 89, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 89, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 27.588, 250.879 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, 89, 123) }
```

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

```
.border{ border-color:rgb(0, 89, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 89, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 89, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 89, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 89, 123)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 27.588, 250.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 89, 123) }
```

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

```
.background{ background-color: rgb(0, 89,  
123) }
```

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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