

Converting Colors

CIELCh(36, 36.133, 268.176)

Have a look what the booklet for
CIELCh(36, 36.133, 268.176)
contains.

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Color

CIELCh(36, 36.067, 268.350)

Conversions

Conversions Part 1

Format	Color
Hex	01588E
RGB	1, 88, 142
RGB Percent	0%, 35%, 56%
CMY	0.9956, 0.6535, 0.4416
CMYK	0.99, 0.38, 0.00, 0.44
HSL	203°, 98%, 28%
HSV	203°, 99%, 56%
XYZ	8.4435, 9.0082, 27.0365
YIQ	68.1430, -69.1860, -1.6500

Conversions

Conversions Part 2

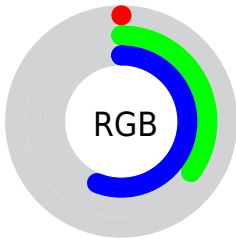
Format	Color
RYB	1, 55, 142
Decimal	88206
CIELab	36.00, -1.04, -36.05
CIELCh	36, 36.067, 268.350
Yxy	9.0082, 0.1898, 0.2025
Android (android.graphics.Color)	4278278286 (0xFF01588E)
YUV	68.1430, 36.4115, -58.8844
Hunter-Lab	30.0136, -2.3076, -32.3994

Details

The CIELCh color **36, 36.067, 268.350** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **35, 57.651, 52.859**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 35.799, 267.938**, and **18, 33.469, 283.245** is the 20% darker color. If you saturate the color by 10%, you get **36, 36.303, 268.700**, and if you desaturate by 10%, it is **38, 33.213, 263.699**.

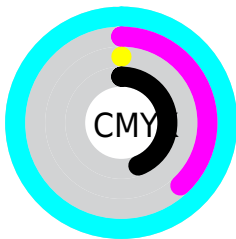
Distribution



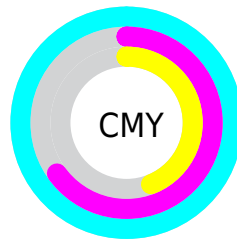
- Red (0%)
- Green (35%)
- Blue (56%)



- Red (0%)
- Yellow (22%)
- Blue (56%)



- Cyan (99%)
- Magenta (38%)
- Yellow (0%)
- Black (44%)





- Cyan (100%)
- Magenta (65%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 36.067, 268.350 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 36, 36.067, 268.350 by changing the saturation by 10% instead.


 36, 36.067,
268.350


 36, 36.067,
268.350

 100, 36.067,
268.350


 26, 36.067,
268.350

 56, 36.067,
268.350


 16, 36.067,
268.350


 66, 36.067,
268.350

 6, 36.067, 268.350

 76, 36.067,
268.350

 0, 36.067, 268.350

 86, 36.067,
268.350

 96, 36.067,
268.350

■ 36, 36.067,
268.350

■ 36, 36.067,
268.350

■ 36, 36.303,
268.700

■ 38, 33.213,
263.699

■ 40, 30.351,
259.308

■ 42, 27.327,
255.482

■ 44, 24.073,
252.237

■ 47, 20.557,
249.534

■ 49, 16.782,
247.306

■ 52, 12.769,
245.481

■ 54, 8.551, 243.992

Harmonies

Complementary

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



36, 36.067, 268.350



35, 57.651, 52.859

Rectangle

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



36, 36.067, 268.350



36, 36.067, 318.350



36, 36.067, 88.350



36, 36.067, 138.350

Sweetspot

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



36, 36.066, 268.351



66, 16.276, 245.721



52, 64.289, 144.007



33, 11.105, 246.388



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



36, 36.066, 268.351



47, 44.933, 269.895



18, 79.040, 303.719



29, 2.559, 242.798



34, 34.830, 268.430



1, 1.751, 241.786

Inverse Universe

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



31, 57.213, 350.564



41, 69.539, 351.428



52, 57.245, 93.713



28, 4.285, 338.447



29, 55.230, 350.604



1, 2.870, 337.825

Previews

White Background



This preview shows how the CIELCh color 36, 36.067, 268.350 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 36, 36.067, 268.350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

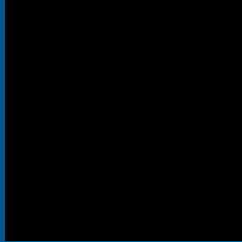
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 36.067, 268.350

Background



This preview shows how black text looks on a background with the CIELCh color 36, 36.067, 268.350.



This preview shows how white text looks on a background with the CIELCh color 36, 36.067, 268.350.

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

36, 36.044, 268.439

Protanopia

36, 33.702, 285.216

Deuteranopia

36, 36.793, 278.987



Tritanopia
36, 23.350, 207.503

Trichromacy



Original Color
36, 36.044, 268.439

Protanomaly
36, 34.678, 276.163

Deuteranomaly
36, 36.879, 274.316

Tritanomaly
36, 24.542, 235.259

Monochromacy



Original Color
36, 36.044, 268.439

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 16.125, 251.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 36.067, 268.350 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(1, 88, 142)` looks like.

```
.text, #text, p{  
    color:rgb(1, 88, 142)  
}
```

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(1, 88, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 88, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 36.067, 268.350 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(1, 88, 142) }
```

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

```
.border{ border-color:rgb(1, 88, 142) }
```

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

Here you see how a box with a 4 pixel rgb(1, 88, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 88, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 88, 142);  
box-shadow:4px 4px 4px 4px rgb(1, 88, 142)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 36.067, 268.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 88, 142) }
```

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

```
.background{ background-color: rgb(1, 88,  
142) }
```

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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