

Converting Colors

CIELCh(36, 33.157, 263.169)

Have a look what the booklet for
CIELCh(36, 33.157, 263.169)
contains.

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Color

CIELCh(36, 33.163, 263.522)

Conversions

Conversions Part 1

Format	Color
Hex	015989
RGB	1, 89, 137
RGB Percent	0%, 35%, 54%
CMY	0.9968, 0.6499, 0.4616
CMYK	0.99, 0.35, 0.00, 0.46
HSL	201°, 99%, 27%
HSV	201°, 99%, 54%
XYZ	8.1403, 9.0082, 25.0848
YIQ	68.1600, -67.8560, -3.7280

Conversions

Conversions Part 2

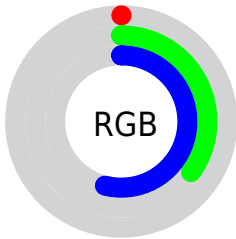
Format	Color
R _Y B	1, 54, 137
Decimal	88457
CIE Lab	36.00, -3.74, -32.95
CIE LCh	36, 33.163, 263.522
Yxy	9.0082, 0.1927, 0.2133
Android (android.graphics.Color)	4278278537 (0xFF015989)
YUV	68.1600, 33.9381, -58.8993
Hunter-Lab	30.0136, -4.1108, -28.5439

Details

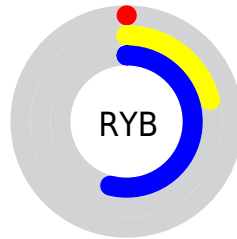
The CIELCh color **36, 33.163, 263.522** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **33, 57.077, 51.037**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 33.116, 263.598**, and **18, 30.293, 279.621** is the 20% darker color. If you saturate the color by 10%, you get **36, 33.311, 263.784**, and if you desaturate by 10%, it is **38, 30.792, 258.920**.

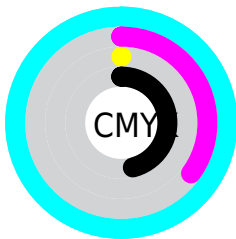
Distribution



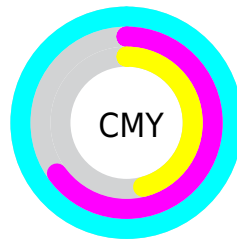
- Red (0%)
- Green (35%)
- Blue (54%)



- Red (0%)
- Yellow (21%)
- Blue (54%)



- Cyan (99%)
- Magenta (35%)
- Yellow (0%)
- Black (46%)





- Cyan (100%)
- Magenta (65%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 33.163, 263.522 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, 33.163, 263.522 by changing the saturation by 10% instead.


 36, 33.163,
263.522


 36, 33.163,
263.522

 100, 33.163,
263.522


 26, 33.163,
263.522

 56, 33.163,
263.522


 16, 33.163,
263.522


 66, 33.163,
263.522

 6, 33.163, 263.522

 76, 33.163,
263.522

 0, 33.163, 263.522

 86, 33.163,
263.522

 96, 33.163,
263.522

■ 36, 33.163,
263.522

■ 36, 33.163,
263.522

■ 36, 33.311,
263.784

■ 38, 30.792,
258.920

■ 40, 28.371,
254.605

■ 41, 25.733,
250.892

■ 44, 22.816,
247.779

■ 46, 19.596,
245.210

■ 48, 16.083,
243.113

■ 50, 12.302,
241.412

■ 52, 8.291, 240.039

Harmonies

Complementary

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



36, 33.163, 263.522



33, 57.077, 51.037

Rectangle

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



36, 33.163, 263.522



36, 33.163, 313.522



36, 33.163, 83.522



36, 33.163, 133.522

Sweetspot

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



36, 33.162, 263.523



64, 15.508, 241.606



50, 63.430, 143.440



32, 10.447, 242.199



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



36, 33.162, 263.523



47, 40.959, 265.013



17, 75.742, 303.235



28, 2.463, 238.934



35, 32.415, 263.598



1, 1.160, 238.014

Inverse Universe

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



30, 56.670, 348.095



39, 68.519, 348.818



50, 55.270, 92.434



27, 4.249, 337.060



28, 55.371, 348.130



0, 1.956, 336.460

Previews

White Background



This preview shows how the CIELCh color 36, 33.163, 263.522 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, 33.163, 263.522 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, 33.163, 263.522

Background



This preview shows how black text looks on a background with the CIELCh color 36, 33.163, 263.522.



This preview shows how white text looks on a background with the CIELCh color 36, 33.163, 263.522.

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, 33.136, 263.621

Protanopia

36, 30.570, 285.527

Deuteranopia

36, 33.573, 279.292



Tritanopia
36, 23.350, 207.503

Trichromacy



Original Color
36, 33.136, 263.621

Protanomaly
35, 31.805, 273.952

Deuteranomaly
36, 33.458, 271.383

Tritanomaly
36, 24.113, 232.263

Monochromacy



Original Color
36, 33.136, 263.621

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 15.077, 244.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 33.163, 263.522 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, 89, 137)` looks like.

```
.text, #text, p{  
    color:rgb(1, 89, 137)  
}
```

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, 89, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 89, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 33.163, 263.522 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, 89, 137) }
```

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

```
.border{ border-color:rgb(1, 89, 137) }
```

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

Here you see how a box with a 4 pixel rgb(1, 89, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 89, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 89, 137);  
box-shadow:4px 4px 4px 4px rgb(1, 89, 137)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 33.163, 263.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 89, 137) }
```

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

```
.background{ background-color: rgb(1, 89,  
137) }
```

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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