

Converting Colors

CIELCh(36, 26.578, 251.233)

Have a look what the booklet for
CIELCh(36, 26.578, 251.233)
contains.

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Color

CIELCh(36, 26.636, 251.062)

Conversions

Conversions Part 1

Format	Color
Hex	105B7D
RGB	16, 91, 125
RGB Percent	6%, 36%, 49%
CMY	0.9361, 0.6445, 0.5112
CMYK	0.87, 0.27, 0.00, 0.51
HSL	199°, 77%, 28%
HSV	199°, 87%, 49%
XYZ	7.6090, 9.0082, 20.6184
YIQ	72.4510, -55.6140, -5.3260

Conversions

Conversions Part 2

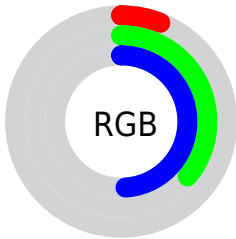
Format	Color
R_{YB}	16, 60, 125
Decimal	1071997
CIE _{Lab}	36.00, -8.64, -25.19
CIE _{LCh}	36, 26.636, 251.062
Yxy	9.0082, 0.2043, 0.2419
Android (android.graphics.Color)	4279262077 (0xFF105B7D)
YUV	72.4510, 25.9067, -49.5075
Hunter-Lab	30.0136, -7.2705, -19.7210

Details

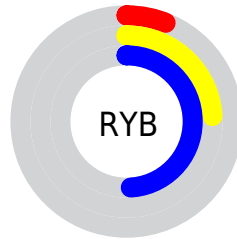
The CIELCh color **36, 26.636, 251.062** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **31, 46.876, 49.489**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 26.837, 251.015**, and **17, 23.144, 268.064** is the 20% darker color. If you saturate the color by 10%, you get **35, 28.402, 255.437**, and if you desaturate by 10%, it is **38, 24.699, 247.164**.

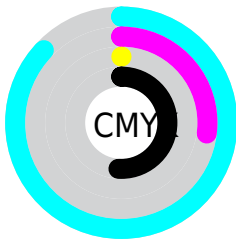
Distribution



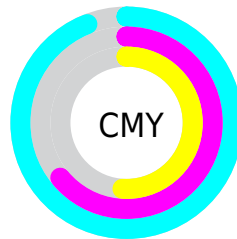
- Red (6%)
- Green (36%)
- Blue (49%)



- Red (6%)
- Yellow (24%)
- Blue (49%)



- Cyan (87%)
- Magenta (27%)
- Yellow (0%)
- Black (51%)





- Cyan (94%)
- Magenta (64%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 26.636, 251.062 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, 26.636, 251.062 by changing the saturation by 10% instead.


 36, 26.636,
251.062


 36, 26.636,
251.062

 100, 26.636,
251.062


 26, 26.636,
251.062

 56, 26.636,
251.062


 16, 26.636,
251.062


 66, 26.636,
251.062

 6, 26.636, 251.062

 76, 26.636,
251.062

 0, 26.636, 251.062

 86, 26.636,
251.062

 96, 26.636,
251.062

■ 36, 26.636,
251.062

■ 36, 26.636,
251.062

■ 35, 28.402,
255.437

■ 38, 24.699,
247.164

■ 34, 28.967,
256.723

■ 39, 22.473,
243.889

■ 41, 19.919,
241.194

■ 43, 17.035,
239.006

■ 45, 13.842,
237.245

■ 47, 10.375,
235.837

■ 49, 6.677, 234.721

■ 51, 2.789, 233.887

Harmonies

Complementary

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



36, 26.636, 251.062



31, 46.876, 49.489

Rectangle

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



36, 26.636, 251.062



36, 26.636, 301.062



36, 26.636, 71.062



36, 26.636, 121.062

Sweetspot

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



36, 26.635, 251.063



60, 12.496, 235.800



46, 56.114, 144.154



30, 8.368, 236.159



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



36, 26.635, 251.063



45, 35.679, 258.084



20, 57.855, 298.115



25, 2.223, 234.034



34, 29.023, 256.737



67, 50.197, 259.689

Inverse Universe

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



28, 52.262, 342.957



36, 65.662, 345.680



44, 47.068, 90.167



24, 3.956, 335.401



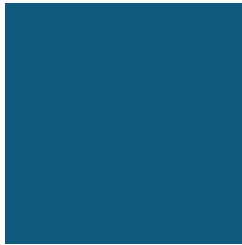
27, 54.305, 345.132



56, 90.498, 346.358

Previews

White Background



This preview shows how the CIELCh color 36, 26.636, 251.062 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, 26.636, 251.062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

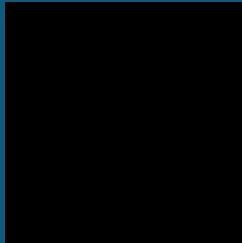
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 26.636, 251.062

Background



This preview shows how black text looks on a background with the CIELCh color 36, 26.636, 251.062.



This preview shows how white text looks on a background with the CIELCh color 36, 26.636, 251.062.

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, 26.692, 250.899

Protanopia

36, 22.469, 285.771

Deuteranopia

36, 26.435, 281.603



Tritanopia
36, 23.350, 207.503

Trichromacy



Original Color
36, 26.692, 250.899

Protanomaly
36, 23.533, 267.608

Deuteranomaly
36, 26.625, 269.191

Tritanomaly
36, 23.069, 224.669

Monochromacy



Original Color
36, 26.692, 250.899

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 12.212, 237.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 26.636, 251.062 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(16, 91, 125)` looks like.

```
.text, #text, p{  
    color:rgb(16, 91, 125)  
}
```

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(16, 91, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 91, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 26.636, 251.062 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(16, 91, 125) }
```

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

```
.border{ border-color:rgb(16, 91, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 91, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 91, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 91, 125);  
box-shadow:4px 4px 4px 4px rgb(16, 91,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 26.636, 251.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 91, 125) }
```

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

```
.background{ background-color: rgb(16, 91,  
125) }
```

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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