

# Converting Colors

CIELCh(13, 26.805, 306.467)

Have a look what the booklet for  
CIELCh(13, 26.805, 306.467)  
contains.

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# Color

**CIELCh(13, 26.800, 306.361)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	271B40
RGB	39, 27, 64
RGB Percent	15%, 11%, 25%
CMY	0.8483, 0.8952, 0.7503
CMYK	0.39, 0.58, 0.00, 0.75
HSL	259°, 41%, 18%
HSV	259°, 58%, 25%
XYZ	2.1265, 1.5625, 4.9921
YIQ	34.8060, -4.7250, 14.0510

# Conversions

## Conversions Part 2

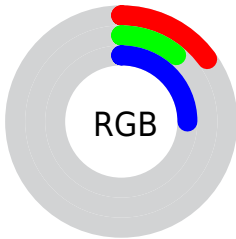
<b>Format</b>	<b>Color</b>
<b>RYB</b>	39, 27, 64
Decimal	2562880
CIELab	13.00, 15.89, -21.58
CIElCh	13, 26.800, 306.361
Yxy	1.5625, 0.2450, 0.1800
Android (android.graphics.Color)	4280752960 (0xFF271B40)
YUV	34.8060, 14.3926, 3.6781
Hunter-Lab	12.5000, 8.4910, -14.9284




# Details

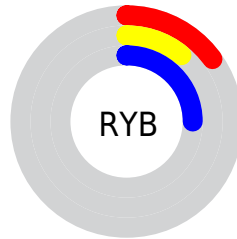
The CIELCh color **13, 26.800, 306.361** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **25, 24.043, 119.952**, and the grayscale version is **13, 0.003, 296.813**.




A 20% lighter version of the original color is **33, 26.514, 306.388**, and **1, 8.892, 288.391** is the 20% darker color. If you saturate the color by 10%, you get **11, 31.637, 307.115**, and if you desaturate by 10%, it is **15, 21.944, 305.612**.

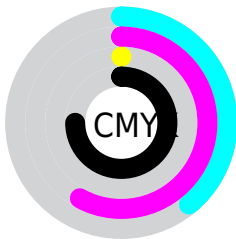
# Distribution







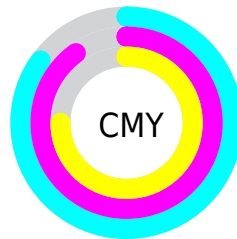
-  Red (15%)
-  Green (11%)
-  Blue (25%)






-  Red (15%)
-  Yellow (11%)
-  Blue (25%)



-  Cyan (39%)
-  Magenta (58%)
-  Yellow (0%)
-  Black (75%)



-  Cyan (85%)
-  Magenta (90%)
-  Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 26.800, 306.361 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 13, 26.800, 306.361 by changing the saturation by 10% instead.



■ 13, 26.800,  
306.361

■ 13, 26.800,  
306.361

■ 100, 26.800,  
306.361

■ 3, 26.800, 306.361

■ 33, 26.800,  
306.361

■ 0, 26.800, 306.361

■ 43, 26.800,  
306.361


■ 53, 26.800,  
306.361


■ 63, 26.800,  
306.361


■ 73, 26.800,  
306.361


■ 83, 26.800,


306.361


 93, 26.800,  
306.361


 13, 26.800,  
306.361

 13, 26.800,  
306.361


 11, 31.637,  
307.115

 15, 21.944,  
305.612

 9, 36.314, 307.818

 18, 17.150,  
304.897

 7, 40.432, 308.223

 20, 12.462,  
304.234

 5, 44.064, 308.276

 5, 44.743, 308.265

 23, 7.900, 303.630

 25, 3.471, 303.083

 27, 0.824, 122.636

■ 30, 4.988, 122.181

■ 32, 9.027, 121.799

■ 35, 12.946,  
121.464

# Harmonies

# Complementary

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



13, 26.800, 306.361



25, 24.043, 119.952

# Rectangle

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



13, 26.800, 306.361



13, 26.800, 356.361



13, 26.800, 126.361



13, 26.800, 176.361

# Sweetspot

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



13, 26.800, 306.361



30, 9.143, 303.610



20, 11.847, 240.724



13, 6.016, 303.636



69, 0.009, 296.813



16, 0.003, 296.813





# Same Dimension

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



13, 26.800, 306.361



14, 40.062, 307.466



16, 28.004, 321.465



10, 2.317, 303.099



10, 61.984, 309.299



31, 116.569, 308.537



# Inverse Universe

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



16, 23.259, 339.397



19, 33.126, 340.821



24, 27.537, 136.263



10, 2.178, 335.729



19, 44.507, 345.133



49, 81.686, 346.981



# Previews

## White Background



This preview shows how the CIE LCh color 13, 26.800, 306.361 looks on a white background.

## Color Contrast Check

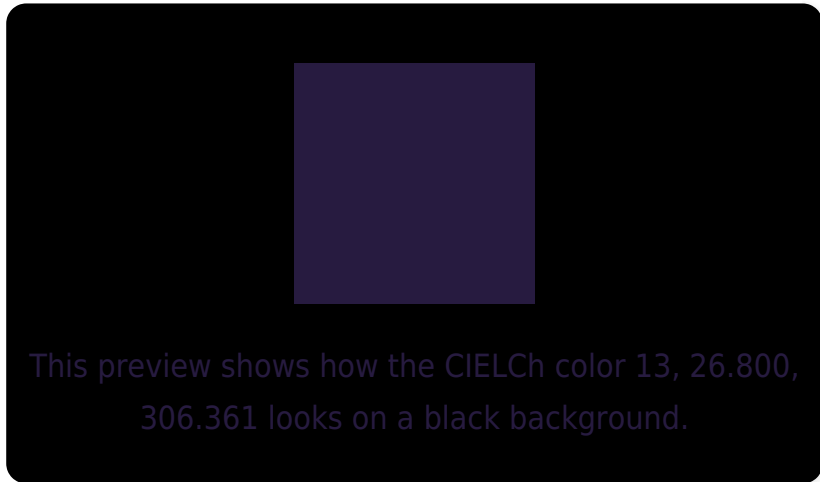
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## 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 13, 26.800, 306.361**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 13, 26.800, 306.361.



This preview shows how white text looks on a background with the CIELCh color 13, 26.800, 306.361.

# 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

13, 26.800, 306.361

### Protanopia

13, 26.999, 281.371

### Deuteranopia

13, 20.097, 268.423





**Tritanopia**  
13, 2.196, 278.285

# Trichromacy



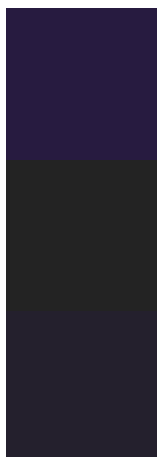
**Original Color**  
13, 26.800, 306.361

**Protanomaly**  
13, 26.698, 287.605

**Deuteranomaly**  
12, 21.914, 282.279

**Tritanomaly**  
13, 11.701, 301.979

# Monochromacy



**Original Color**  
13, 26.800, 306.361

**Achromatopsia**  
14, 0.003, 296.813

**Achromatomaly**  
13, 9.549, 303.600

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 13, 26.800, 306.361 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(39, 27, 64)` looks like.

```
.text, #text, p{  
    color:rgb(39, 27, 64)  
}
```

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(39, 27, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 27, 64) }
```

## Border

The CSS property to change the border of an element to CIELCh 13, 26.800, 306.361 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(39, 27, 64) }
```

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

```
.border{ border-color:rgb(39, 27, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 27, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 27, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 27, 64);  
box-shadow:4px 4px 4px 4px rgb(39, 27, 64)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 13, 26.800, 306.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 27, 64) }
```

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

```
.background{ background-color: rgb(39, 27,  
64) }
```

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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