

Converting Colors

CIELCh(13, 26.849, 316.826)

Have a look what the booklet for
CIELCh(13, 26.849, 316.826)
contains.

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Color

CIELCh(13, 26.306, 316.518)

Conversions

Conversions Part 1

Format	Color
Hex	2F183B
RGB	47, 24, 59
RGB Percent	18%, 9%, 23%
CMY	0.8163, 0.9064, 0.7692
CMYK	0.20, 0.59, 0.00, 0.77
HSL	279°, 42%, 16%
HSV	279°, 59%, 23%
XYZ	2.2746, 1.5625, 4.2988
YIQ	34.8670, 2.4730, 15.7610

Conversions

Conversions Part 2

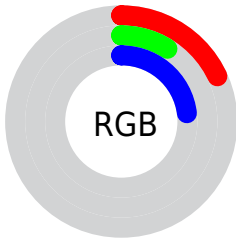
Format	Color
RYB	47, 24, 59
Decimal	3086395
CIELab	13.00, 19.09, -18.10
CIELCh	13, 26.306, 316.518
Yxy	1.5625, 0.2796, 0.1920
Android (android.graphics.Color)	4281276475 (0xFF2F183B)
YUV	34.8670, 11.8976, 10.6406
Hunter-Lab	12.5000, 10.6064, -11.6401

Details

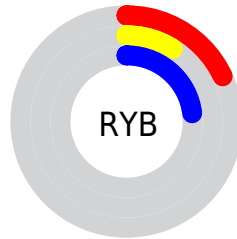
The CIELCh color **13, 26.306, 316.518** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 25.154, 131.868**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 26.547, 316.147**, and **0, 5.435, 287.254** is the 20% darker color. If you saturate the color by 10%, you get **11, 30.463, 316.780**, and if you desaturate by 10%, it is **15, 21.933, 316.189**.

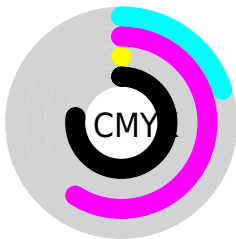
Distribution



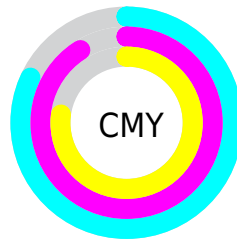
- Red (18%)
- Green (9%)
- Blue (23%)



- Red (18%)
- Yellow (9%)
- Blue (23%)



- Cyan (20%)
- Magenta (59%)
- Yellow (0%)
- Black (77%)





- Cyan (82%)
- Magenta (91%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 26.306, 316.518 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, 26.306, 316.518 by changing the saturation by 10% instead.

 13, 26.306,
316.518


 13, 26.306,
316.518


 100, 26.306,
316.518


 3, 26.306, 316.518


 33, 26.306,
316.518

 0, 26.306, 316.518

 43, 26.306,
316.518


 53, 26.306,
316.518


 63, 26.306,
316.518


 73, 26.306,
316.518


 83, 26.306,


316.518


 93, 26.306,
316.518

 13, 26.306,
316.518

 13, 26.306,
316.518


 11, 30.463,
316.780

 15, 21.933,
316.189

 10, 34.256,
316.939

 17, 17.457,
315.823

 8, 37.762, 317.042

 19, 12.959,
315.441

 7, 41.551, 317.240

 21, 8.490, 315.057

 7, 41.755, 317.246

 23, 4.087, 314.677

 25, 0.230, 134.648

■ 27, 4.450, 134.024

■ 29, 8.566, 133.706

■ 31, 12.578,
133.418

Harmonies

Complementary

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



13, 26.306, 316.518



22, 25.154, 131.868

Rectangle

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



13, 26.306, 316.518



13, 26.306, 6.518



13, 26.306, 136.518



13, 26.306, 186.518

Sweetspot

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



13, 26.305, 316.518



28, 9.774, 315.034



14, 16.499, 279.335



12, 6.673, 315.076



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



13, 26.305, 316.518



16, 38.489, 316.873



15, 24.992, 332.019



10, 2.478, 314.641



15, 58.092, 316.702



40, 108.768, 315.922

Inverse Universe

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



14, 18.847, 359.793



17, 27.481, 2.786



22, 25.137, 144.329



10, 1.745, 353.655



18, 41.105, 13.164



47, 77.744, 17.877

Previews

White Background



This preview shows how the CIE LCh color 13, 26.306, 316.518 looks on a white background.

Color Contrast Check

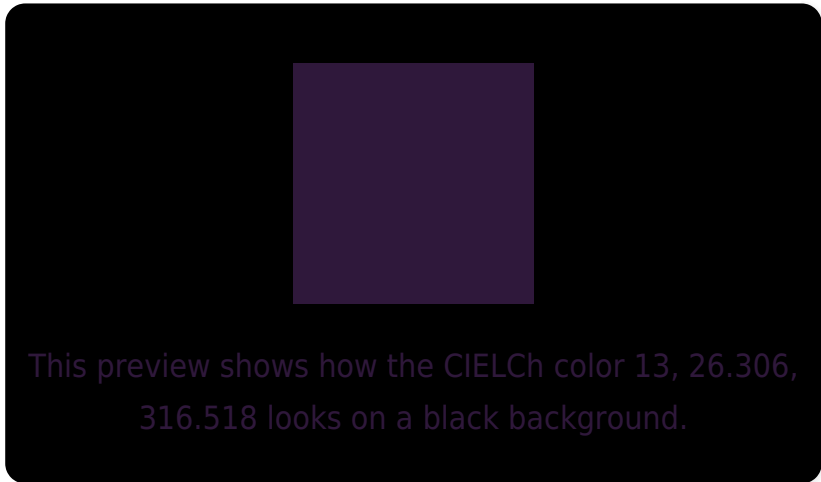
Large Text (above 18pt) WCAG AA ✓ Pass

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

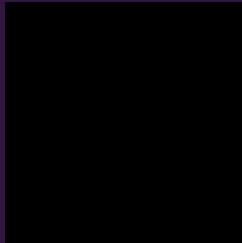
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 26.306, 316.518

Background



This preview shows how black text looks on a background with the CIELCh color 13, 26.306, 316.518.



This preview shows how white text looks on a background with the CIELCh color 13, 26.306, 316.518.

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, 26.306, 316.518

Protanopia

13, 25.324, 283.797

Deuteranopia

13, 16.969, 277.360



Tritanopia
13, 6.281, 8.097

Trichromacy



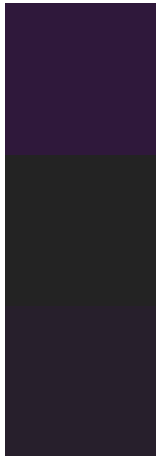
Original Color
13, 26.306, 316.518

Protanomaly
13, 25.132, 292.760

Deuteranomaly
13, 20.167, 294.812

Tritanomaly
13, 12.513, 329.790

Monochromacy



Original Color
13, 26.306, 316.518

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 10.072, 314.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 26.306, 316.518 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(47, 24, 59)` looks like.

```
.text, #text, p{  
    color:rgb(47, 24, 59)  
}
```

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(47, 24, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 24, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 26.306, 316.518 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(47, 24, 59) }
```

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

```
.border{ border-color:rgb(47, 24, 59) }
```

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

Here you see how a box with a 4 pixel rgb(47, 24, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 24, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 24, 59);  
box-shadow:4px 4px 4px 4px rgb(47, 24, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 26.306, 316.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 24, 59) }
```

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

```
.background{ background-color: rgb(47, 24,  
59) }
```

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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