

Converting Colors

CIELCh(18, 27.259, 296.542)

Have a look what the booklet for
CIELCh(18, 27.259, 296.542)
contains.

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Color

CIELCh(18, 26.868, 296.428)

Conversions

Conversions Part 1

Format	Color
Hex	28284F
RGB	40, 40, 79
RGB Percent	16%, 16%, 31%
CMY	0.8438, 0.8437, 0.6908
CMYK	0.49, 0.49, 0.00, 0.69
HSL	240°, 33%, 23%
HSV	240°, 49%, 31%
XYZ	3.0283, 2.5180, 7.6928
YIQ	44.4460, -12.5190, 12.1290

Conversions

Conversions Part 2

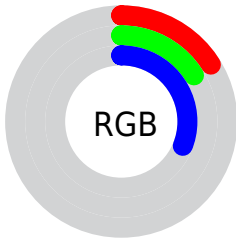
Format	Color
RYB	40, 40, 79
Decimal	2631759
CIELab	18.00, 11.96, -24.06
CIELCh	18, 26.868, 296.428
Yxy	2.5180, 0.2287, 0.1902
Android (android.graphics.Color)	4280821839 (0xFF28284F)
YUV	44.4460, 17.0351, -3.8991
Hunter-Lab	15.8683, 6.2951, -17.6353

Details

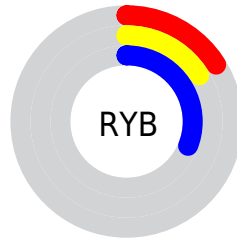
The CIELCh color **18, 26.868, 296.428** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **33, 23.835, 105.888**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 26.530, 296.466**, and **1, 20.157, 291.327** is the 20% darker color. If you saturate the color by 10%, you get **15, 32.901, 298.265**, and if you desaturate by 10%, it is **21, 21.024, 294.788**.

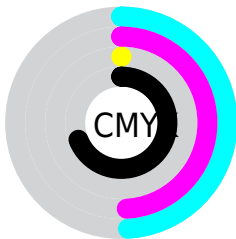
Distribution



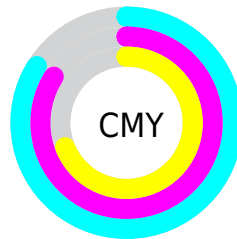
- Red (16%)
- Green (16%)
- Blue (31%)



- Red (16%)
- Yellow (16%)
- Blue (31%)



- Cyan (49%)
- Magenta (49%)
- Yellow (0%)
- Black (69%)



- Cyan (84%)
- Magenta (84%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 26.868, 296.428 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 18, 26.868, 296.428 by changing the saturation by 10% instead.

■ 18, 26.868,
296.428

■ 18, 26.868,
296.428

■ 100, 26.868,
296.428

■ 8, 26.868, 296.428

■ 38, 26.868,
296.428

■ 0, 26.868, 296.428

■ 48, 26.868,
296.428

■ 58, 26.868,
296.428

■ 68, 26.868,
296.428


■ 78, 26.868,
296.428


■ 88, 26.868,

296.428


 98, 26.868,
296.428


 18, 26.868,
296.428

 18, 26.868,
296.428

 15, 32.901,
298.265

 21, 21.024,
294.788

 12, 39.030,
300.243

 24, 15.395,
293.353

 9, 45.023, 302.243

 27, 9.979, 292.112


 7, 50.362, 303.991

 31, 4.765, 291.045

 5, 55.106, 305.088

 34, 0.260, 109.990

 5, 55.354, 305.132

 37, 5.111, 109.317

■ 40, 9.799, 108.634

■ 43, 14.335,
108.041

■ 46, 18.728,
107.524

Harmonies

Complementary

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



18, 26.868, 296.428



33, 23.835, 105.888

Rectangle

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



18, 26.868, 296.428



18, 26.868, 346.428



18, 26.868, 116.428



18, 26.868, 166.428

Sweetspot

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



18, 26.868, 296.429



37, 9.449, 291.673



31, 14.502, 195.669



17, 6.378, 291.792



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



18, 26.868, 296.429



20, 40.509, 298.580



20, 27.429, 310.807



14, 2.737, 290.963



9, 68.261, 306.278



29, 123.553, 306.284

Inverse Universe

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



21, 19.904, 24.094



26, 30.248, 26.293



31, 25.620, 126.379



14, 1.910, 19.770



19, 50.495, 35.946



48, 96.552, 39.988

Previews

White Background



This preview shows how the CIE LCh color 18, 26.868, 296.428 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 CIELCh color 18, 26.868, 296.428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

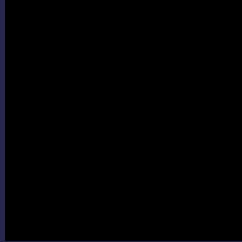
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 26.868, 296.428

Background



This preview shows how black text looks on a background with the CIELCh color 18, 26.868, 296.428.



This preview shows how white text looks on a background with the CIELCh color 18, 26.868, 296.428.

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

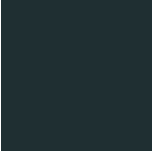
18, 26.868, 296.428

Protanopia

18, 27.072, 284.863

Deuteranopia

18, 23.612, 275.234



Tritanopia
18, 6.990, 215.492

Trichromacy



Original Color
18, 26.868, 296.428

Protanomaly
18, 26.920, 288.639

Deuteranomaly
18, 24.476, 282.516

Tritanomaly
18, 11.578, 273.112

Monochromacy



Original Color
18, 26.868, 296.428

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 10.402, 292.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 26.868, 296.428 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(40, 40, 79)` looks like.

```
.text, #text, p{  
    color:rgb(40, 40, 79)  
}
```

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(40, 40, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 40, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 26.868, 296.428 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(40, 40, 79) }
```

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

```
.border{ border-color:rgb(40, 40, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 40, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 40, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 40, 79);  
box-shadow:4px 4px 4px 4px rgb(40, 40, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 26.868, 296.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 40, 79) }
```

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

```
.background{ background-color: rgb(40, 40,  
79) }
```

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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