

Converting Colors

CIELCh(18, 14.127, 288.584)

Have a look what the booklet for
CIELCh(18, 14.127, 288.584)
contains.

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Color

CIELCh(18, 13.826, 288.628)

Conversions

Conversions Part 1

Format	Color
Hex	282B3F
RGB	40, 43, 63
RGB Percent	16%, 17%, 25%
CMY	0.8439, 0.8321, 0.7537
CMYK	0.37, 0.32, 0.00, 0.75
HSL	232°, 22%, 20%
HSV	232°, 37%, 25%
XYZ	2.6163, 2.5180, 5.0215
YIQ	44.3830, -8.2080, 5.5840

Conversions

Conversions Part 2

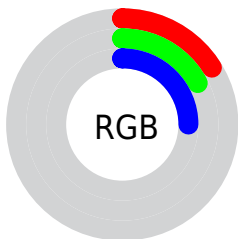
Format	Color
RYB	40, 43, 63
Decimal	2632511
CIELab	18.00, 4.42, -13.10
CIELCh	18, 13.826, 288.628
Yxy	2.5180, 0.2576, 0.2479
Android (android.graphics.Color)	4280822591 (0xFF282B3F)
YUV	44.3830, 9.1782, -3.8439
Hunter-Lab	15.8683, 1.6604, -7.6544

Details

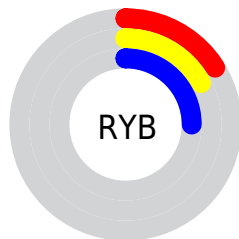
The CIELCh color **18, 13.826, 288.628** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 13.090, 100.770**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 14.165, 289.323**, and **1, 9.561, 288.516** is the 20% darker color. If you saturate the color by 10%, you get **16, 17.889, 290.248**, and if you desaturate by 10%, it is **20, 9.893, 287.213**.

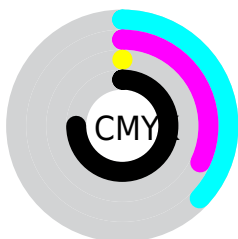
Distribution



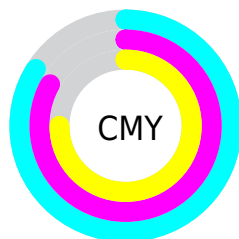
- Red (16%)
- Green (17%)
- Blue (25%)



- Red (16%)
- Yellow (17%)
- Blue (25%)



- Cyan (37%)
- Magenta (32%)
- Yellow (0%)
- Black (75%)



- Cyan (84%)
- Magenta (83%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 13.826, 288.628 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, 13.826, 288.628 by changing the saturation by 10% instead.

■ 18, 13.826,
288.628

■ 18, 13.826,
288.628

■ 100, 13.826,
288.628

■ 8, 13.826, 288.628

■ 38, 13.826,
288.628

■ 0, 13.826, 288.628

■ 48, 13.826,
288.628


■ 58, 13.826,
288.628


■ 68, 13.826,
288.628


■ 78, 13.826,
288.628


■ 88, 13.826,

288.628


 98, 13.826,
288.628

 18, 13.826,
288.628

 18, 13.826,
288.628


 16, 17.889,
290.248

 20, 9.893, 287.213

 13, 22.092,
292.088

 23, 6.084, 285.983

 25, 2.389, 284.923

 11, 26.431,
294.148

 27, 1.200, 103.919


 9, 30.879, 296.395

 30, 4.690, 103.132

 7, 35.173, 298.481

 32, 8.085, 102.415

 5, 38.407, 299.079

 34, 11.391,

■ 5, 39.299, 299.018

101.781

■ 36, 14.612,
101.217

■ 39, 17.751,
100.716

Harmonies

Complementary

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



18, 13.826, 288.628



25, 13.090, 100.770

Rectangle

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



18, 13.826, 288.628



18, 13.826, 338.628



18, 13.826, 108.628



18, 13.826, 158.628

Sweetspot

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



18, 13.825, 288.628



32, 4.974, 285.418



25, 9.836, 185.782



14, 3.287, 285.455



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



18, 13.825, 288.628



22, 20.979, 290.131



18, 16.351, 306.216



10, 1.967, 285.098



10, 57.403, 302.889



30, 113.243, 304.562

Inverse Universe

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



19, 11.566, 12.151



23, 17.624, 13.479



25, 15.421, 122.598



10, 1.597, 9.208



18, 44.844, 29.440



46, 88.153, 34.746

Previews

White Background



This preview shows how the CIE LCh color 18, 13.826, 288.628 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, 13.826, 288.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

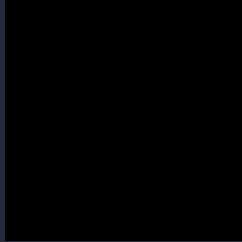
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 13.826, 288.628

Background



This preview shows how black text looks on a background with the CIELCh color 18, 13.826, 288.628.



This preview shows how white text looks on a background with the CIELCh color 18, 13.826, 288.628.

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

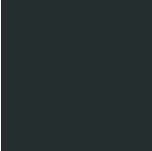
18, 13.826, 288.628

Protanopia

18, 13.892, 285.490

Deuteranopia

18, 13.281, 281.538



Tritanopia
18, 4.416, 237.785

Trichromacy



Original Color
18, 13.826, 288.628

Protanomaly
18, 13.854, 287.045

Deuteranomaly
18, 13.223, 283.129

Tritanomaly
18, 7.290, 271.443

Monochromacy



Original Color
18, 13.826, 288.628

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 4.895, 280.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 13.826, 288.628 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, 43, 63)` looks like.

```
.text, #text, p{  
    color:rgb(40, 43, 63)  
}
```

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, 43, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 43, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 13.826, 288.628 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, 43, 63) }
```

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

```
.border{ border-color:rgb(40, 43, 63) }
```

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

Here you see how a box with a 4 pixel rgb(40, 43, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 43, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 43, 63);  
box-shadow:4px 4px 4px 4px rgb(40, 43, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 13.826, 288.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 43, 63) }
```

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

```
.background{ background-color: rgb(40, 43,  
63) }
```

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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