

Converting Colors

CIELCh(19, 11.749, 282.226)

Have a look what the booklet for
CIELCh(19, 11.749, 282.226)
contains.

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Color

CIELCh(19, 11.810, 281.271)

Conversions

Conversions Part 1

Format	Color
Hex	282E3F
RGB	40, 46, 63
RGB Percent	16%, 18%, 25%
CMY	0.8438, 0.8202, 0.7536
CMYK	0.37, 0.27, 0.00, 0.75
HSL	224°, 22%, 20%
HSV	224°, 37%, 25%
XYZ	2.7325, 2.7468, 5.0646
YIQ	46.1440, -9.0330, 4.0150

Conversions

Conversions Part 2

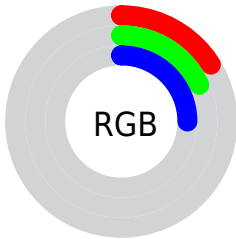
Format	Color
R_{YB}	40, 45, 63
Decimal	2633279
CIE Lab	19.00, 2.31, -11.58
CIE LCh	19, 11.810, 281.271
Yxy	2.7468, 0.2592, 0.2605
Android (android.graphics.Color)	4280823359 (0xFF282E3F)
YUV	46.1440, 8.3100, -5.3883
Hunter-Lab	16.5735, 0.4253, -6.5167

Details

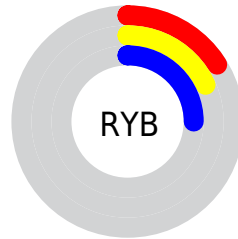
The CIELCh color **19, 11.810, 281.271** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 11.581, 92.551**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 11.789, 280.788**, and **1, 9.561, 288.516** is the 20% darker color. If you saturate the color by 10%, you get **17, 15.208, 283.042**, and if you desaturate by 10%, it is **21, 8.490, 279.724**.

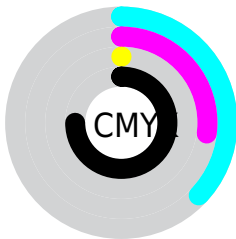
Distribution



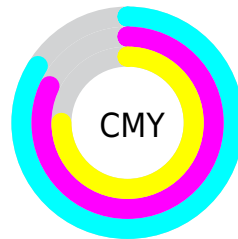
- Red (16%)
- Green (18%)
- Blue (25%)



- Red (16%)
- Yellow (18%)
- Blue (25%)



- Cyan (37%)
- Magenta (27%)
- Yellow (0%)
- Black (75%)



- Cyan (84%)
- Magenta (82%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 11.810, 281.271 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 19, 11.810, 281.271 by changing the saturation by 10% instead.

■ 19, 11.810,
281.271

■ 19, 11.810,
281.271

■ 100, 11.810,
281.271

■ 9, 11.810, 281.271

■ 39, 11.810,
281.271

■ 0, 11.810, 281.271

■ 49, 11.810,
281.271


■ 59, 11.810,
281.271


■ 69, 11.810,
281.271


■ 79, 11.810,
281.271


■ 89, 11.810,

281.271


 99, 11.810,
281.271

 19, 11.810,
281.271


 19, 11.810,
281.271

 17, 15.208,
283.042


 21, 8.490, 279.724

 15, 18.693,
285.061

 23, 5.243, 278.378

 13, 22.274,
287.342

 25, 2.064, 277.221

 11, 25.956,
289.875

 27, 1.051, 96.062

 9, 29.733, 292.593

 29, 4.103, 95.210

 31, 7.096, 94.412

 33, 10.029, 93.698

■ 7, 33.526, 294.815

■ 35, 12.906, 93.059

■ 7, 34.677, 295.227

■ 37, 15.726, 92.485

Harmonies

Complementary

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



19, 11.810, 281.271



24, 11.581, 92.551

Rectangle

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



19, 11.810, 281.271



19, 11.810, 331.271



19, 11.810, 101.271



19, 11.810, 151.271

Sweetspot

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



19, 11.809, 281.270



32, 4.300, 277.762



25, 10.661, 175.175



15, 2.841, 277.803



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



19, 11.809, 281.270



23, 17.840, 282.917



18, 16.151, 301.782



10, 1.703, 277.413



13, 49.161, 297.960



35, 99.002, 300.515

Inverse Universe

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



19, 11.844, 2.347



24, 17.890, 3.655



25, 15.062, 117.211



10, 1.673, 359.321



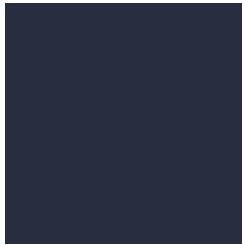
18, 42.213, 20.400



47, 80.972, 25.286

Previews

White Background



This preview shows how the CIE LCh color 19, 11.810, 281.271 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 19, 11.810, 281.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

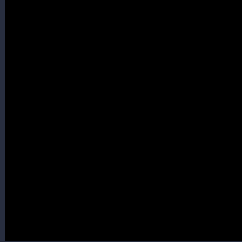
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

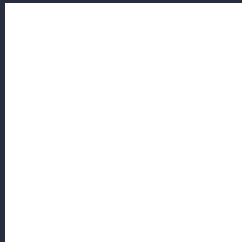
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 11.810, 281.271

Background



This preview shows how black text looks on a background with the CIELCh color 19, 11.810, 281.271.

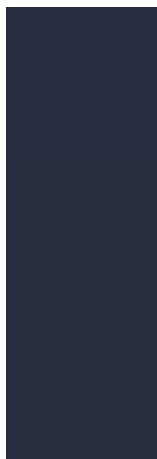


This preview shows how white text looks on a background with the CIELCh color 19, 11.810, 281.271.

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


19, 11.810, 281.271

Protanopia

19, 11.750, 283.126

Deuteranopia

19, 11.750, 283.126



Tritanopia
19, 5.400, 229.295

Trichromacy



Original Color
19, 11.810, 281.271

Protanomaly
19, 11.750, 283.126

Deuteranomaly
19, 11.750, 283.126

Tritanomaly
19, 7.117, 259.624

Monochromacy



Original Color
19, 11.810, 281.271

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 4.193, 278.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 11.810, 281.271 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, 46, 63)` looks like.

```
.text, #text, p{  
    color:rgb(40, 46, 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, 46, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 46, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 11.810, 281.271 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, 46, 63) }
```

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

```
.border{ border-color:rgb(40, 46, 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, 46, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 46, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 46, 63);  
box-shadow:4px 4px 4px 4px rgb(40, 46, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 11.810, 281.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 46, 63) }
```

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

```
.background{ background-color: rgb(40, 46,  
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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