

Converting Colors

CIELCh(19, 13.182, 300.683)

Have a look what the booklet for
CIELCh(19, 13.182, 300.683)
contains.

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Color

CIELCh(19, 13.181, 300.480)

Conversions

Conversions Part 1

Format	Color
Hex	302C3F
RGB	48, 44, 63
RGB Percent	19%, 17%, 25%
CMY	0.8133, 0.8289, 0.7545
CMYK	0.24, 0.30, 0.00, 0.75
HSL	253°, 18%, 21%
HSV	253°, 30%, 25%
XYZ	2.9735, 2.7468, 5.0177
YIQ	47.3620, -3.7150, 6.7570

Conversions

Conversions Part 2

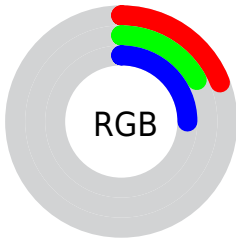
Format	Color
RYB	48, 44, 63
Decimal	3157055
CIELab	19.00, 6.69, -11.36
CIELCh	19, 13.181, 300.480
Yxy	2.7468, 0.2769, 0.2558
Android (android.graphics.Color)	4281347135 (0xFF302C3F)
YUV	47.3620, 7.7095, 0.5595
Hunter-Lab	16.5735, 3.0214, -6.3488

Details

The CIELCh color **19, 13.181, 300.480** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 12.443, 116.611**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 13.676, 300.401**, and **0, 9.963, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **17, 17.817, 301.349**, and if you desaturate by 10%, it is **21, 8.687, 299.702**.

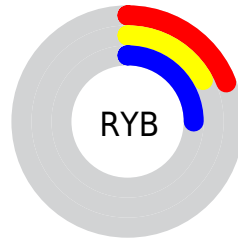
Distribution



 Red (19%)

 Green (17%)

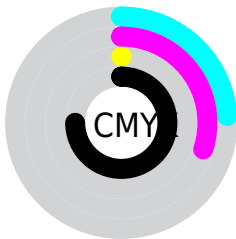
 Blue (25%)




 Red (19%)

 Yellow (17%)

 Blue (25%)

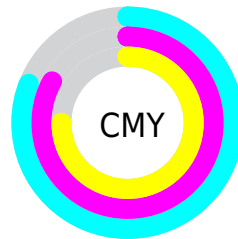


 Cyan (24%)


 Magenta (30%)

 Yellow (0%)

 Black (75%)



 Cyan (81%)

 Magenta (83%)

 Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.181, 300.480 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, 13.181, 300.480 by changing the saturation by 10% instead.

■ 19, 13.181,
300.480

■ 19, 13.181,
300.480

■ 100, 13.181,
300.480

■ 9, 13.181, 300.480

■ 39, 13.181,
300.480

■ 0, 13.181, 300.480

■ 49, 13.181,
300.480

■ 59, 13.181,
300.480

■ 69, 13.181,
300.480

■ 79, 13.181,
300.480

■ 89, 13.181,

300.480

99, 13.181,
300.480

19, 13.181,
300.480

19, 13.181,
300.480

17, 17.817,
301.349

21, 8.687, 299.702

14, 22.583,
302.306

24, 4.340, 299.011

26, 0.134, 298.355

12, 27.444,
303.338

29, 3.936, 117.872

9, 32.321, 304.408

31, 7.878, 117.402

7, 36.975, 305.364

34, 11.698,
116.991

6, 40.551, 305.522

■ 4, 43.690, 305.498

■ 36, 15.404,
116.631

■ 38, 19.001,
116.316

■ 41, 22.497,
116.040

Harmonies

Complementary

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



19, 13.181, 300.480



26, 12.443, 116.611

Rectangle

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



19, 13.181, 300.480



19, 13.181, 350.480



19, 13.181, 120.480



19, 13.181, 170.480

Sweetspot

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



19, 13.180, 300.479



32, 4.716, 298.952



24, 6.713, 220.620



15, 3.224, 298.992



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, 13.180, 300.479



24, 19.754, 301.104



20, 14.188, 316.860



10, 2.285, 298.888



9, 63.151, 307.847



29, 118.630, 307.265

Inverse Universe

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



21, 13.244, 332.588



26, 19.577, 333.027



25, 13.910, 134.495



10, 2.362, 331.307



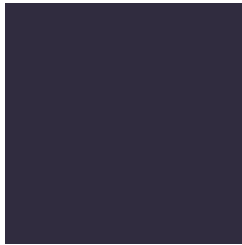
20, 47.926, 337.969



50, 88.247, 338.942

Previews

White Background



This preview shows how the CIELCh color 19, 13.181, 300.480 looks on a white background.

Color Contrast Check

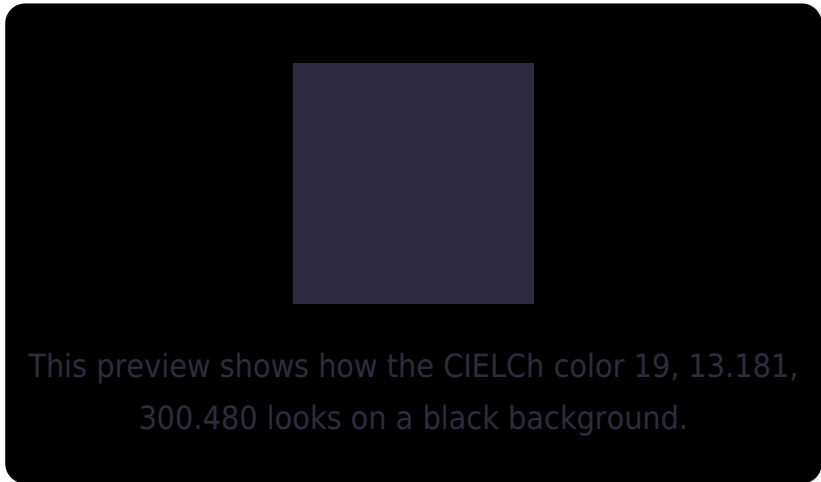
Large Text (above 18pt) WCAG AA ✓ Pass

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 19, 13.181, 300.480

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.181, 300.480.



This preview shows how white text looks on a background with the CIELCh color 19, 13.181, 300.480.

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

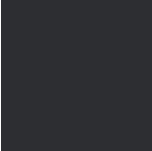
19, 13.181, 300.480

Protanopia

19, 12.419, 283.894

Deuteranopia

19, 11.029, 284.306



Tritanopia
19, 2.774, 281.410

Trichromacy



Original Color
19, 13.181, 300.480

Protanomaly
19, 12.356, 289.375

Deuteranomaly
19, 11.662, 290.952

Tritanomaly
19, 6.893, 295.502

Monochromacy



Original Color
19, 13.181, 300.480

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 4.825, 296.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.181, 300.480 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(48, 44, 63)` looks like.

```
.text, #text, p{  
    color:rgb(48, 44, 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(48, 44, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 44, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.181, 300.480 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(48, 44, 63) }
```

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

```
.border{ border-color:rgb(48, 44, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 44, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 44, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 44, 63);  
box-shadow:4px 4px 4px 4px rgb(48, 44, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.181, 300.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 44, 63) }
```

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

```
.background{ background-color: rgb(48, 44,  
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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