

Converting Colors

CIELCh(19, 10.288, 292.033)

Have a look what the booklet for
CIELCh(19, 10.288, 292.033)
contains.

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Color

CIELCh(19, 10.296, 292.650)

Conversions

Conversions Part 1

Format	Color
Hex	2D2D3C
RGB	45, 45, 60
RGB Percent	18%, 18%, 24%
CMY	0.8240, 0.8240, 0.7652
CMYK	0.25, 0.25, 0.00, 0.77
HSL	240°, 14%, 21%
HSV	240°, 25%, 23%
XYZ	2.8221, 2.7468, 4.6378
YIQ	46.7100, -4.8150, 4.6650

Conversions

Conversions Part 2

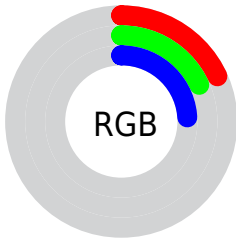
Format	Color
R_{YB}	45, 45, 60
Decimal	2960700
CIE Lab	19.00, 3.96, -9.50
CIE LCh	19, 10.296, 292.650
Yxy	2.7468, 0.2765, 0.2691
Android (android.graphics.Color)	4281150780 (0xFF2D2D3C)
YUV	46.7100, 6.5520, -1.4997
Hunter-Lab	16.5735, 1.3906, -4.9896

Details

The CIELCh color **19, 10.296, 292.650** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 9.790, 108.081**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 9.802, 291.691**, and **1, 7.046, 287.923** is the 20% darker color. If you saturate the color by 10%, you get **16, 14.672, 293.909**, and if you desaturate by 10%, it is **22, 6.077, 291.556**.

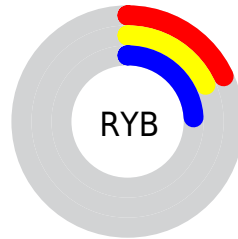
Distribution



Red (18%)

Green (18%)

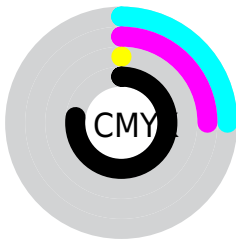
Blue (24%)



Red (18%)

Yellow (18%)

Blue (24%)

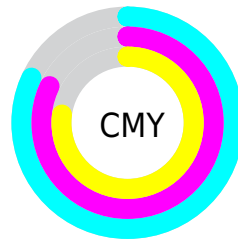


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (77%)



Cyan (82%)

Magenta (82%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 10.296, 292.650 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, 10.296, 292.650 by changing the saturation by 10% instead.

■ 19, 10.296,
292.650

■ 19, 10.296,
292.650

■ 100, 10.296,
292.650

■ 9, 10.296, 292.650

■ 39, 10.296,
292.650

■ 0, 10.296, 292.650

■ 49, 10.296,
292.650

■ 59, 10.296,
292.650

■ 69, 10.296,
292.650

■ 79, 10.296,
292.650

■ 89, 10.296,

292.650

99, 10.296,
292.650

19, 10.296,
292.650

19, 10.296,
292.650

16, 14.672,
293.909

22, 6.077, 291.556

14, 19.212,
295.351

24, 2.006, 290.616

26, 1.928, 109.765

12, 23.912,
296.981

29, 5.732, 109.061

9, 28.742, 298.779

31, 9.416, 108.440

7, 33.418, 300.430

34, 12.986,
107.898

5, 36.829, 300.880

■ 4, 39.623, 300.614

■ 36, 16.451,
107.422

■ 3, 40.909, 300.260

■ 39, 19.815,
107.004

■ 41, 23.085,
106.634

Harmonies

Complementary

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



19, 10.296, 292.650



25, 9.790, 108.081

Rectangle

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



19, 10.296, 292.650



19, 10.296, 342.650



19, 10.296, 112.650



19, 10.296, 162.650

Sweetspot

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



19, 10.295, 292.649



31, 4.029, 290.912



24, 6.411, 196.819



15, 2.893, 290.986



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, 10.295, 292.649



24, 15.731, 293.435



20, 10.767, 309.522



10, 2.258, 290.919



7, 64.578, 306.245



27, 120.448, 306.286

Inverse Universe

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



20, 7.377, 20.979



26, 11.379, 21.565



24, 10.441, 127.486



10, 1.574, 19.749



17, 47.177, 34.868



46, 94.127, 39.996

Previews

White Background



This preview shows how the CIE LCh color 19, 10.296, 292.650 looks on a white background.

Color Contrast Check

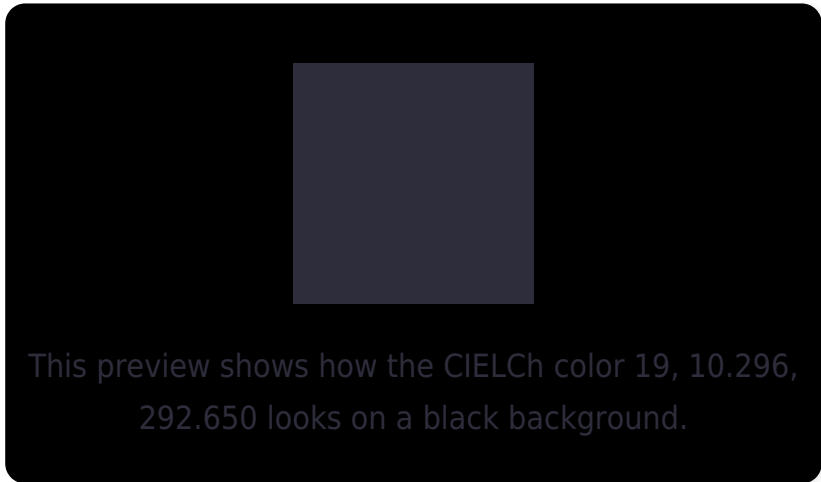
Large Text (above 18pt) WCAG AA ✓ Pass

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

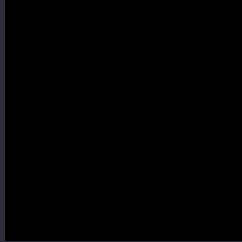
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 10.296, 292.650

Background



This preview shows how black text looks on a background with the CIELCh color 19, 10.296, 292.650.



This preview shows how white text looks on a background with the CIELCh color 19, 10.296, 292.650.

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

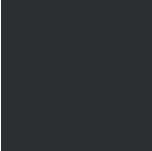
19, 10.296, 292.650

Protanopia

19, 9.687, 282.640

Deuteranopia

19, 10.315, 288.047



Tritanopia
19, 2.705, 248.780

Trichromacy



Original Color
19, 10.296, 292.650

Protanomaly
19, 9.637, 285.033

Deuteranomaly
19, 10.298, 290.335

Tritanomaly
19, 5.536, 282.381

Monochromacy



Original Color
19, 10.296, 292.650

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 4.113, 291.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 10.296, 292.650 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(45, 45, 60)` looks like.

```
.text, #text, p{  
    color:rgb(45, 45, 60)  
}
```

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(45, 45, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 45, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 10.296, 292.650 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(45, 45, 60) }
```

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

```
.border{ border-color:rgb(45, 45, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 45, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 45, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 45, 60);  
box-shadow:4px 4px 4px 4px rgb(45, 45, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 10.296, 292.650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 45, 60) }
```

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

```
.background{ background-color: rgb(45, 45,  
60) }
```

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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