

Converting Colors

CIELCh(19, 13.127, 293.635)

Have a look what the booklet for
CIELCh(19, 13.127, 293.635)
contains.

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Color

CIELCh(19, 13.760, 295.137)

Conversions

Conversions Part 1

Format	Color
Hex	2D2C40
RGB	45, 44, 64
RGB Percent	18%, 17%, 25%
CMY	0.8229, 0.8268, 0.7484
CMYK	0.30, 0.31, 0.00, 0.75
HSL	243°, 18%, 21%
HSV	243°, 31%, 25%
XYZ	2.9261, 2.7468, 5.2516
YIQ	46.5790, -5.8240, 6.4320

Conversions

Conversions Part 2

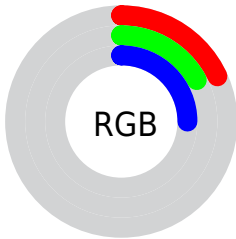
Format	Color
R _Y B	45, 44, 64
Decimal	2960448
CIE Lab	19.00, 5.85, -12.46
CIE LCh	19, 13.760, 295.137
Yxy	2.7468, 0.2678, 0.2514
Android (android.graphics.Color)	4281150528 (0xFF2D2C40)
YUV	46.5790, 8.5886, -1.3848
Hunter-Lab	16.5735, 2.5113, -7.1857

Details

The CIELCh color **19, 13.760, 295.137** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 12.892, 109.728**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 14.162, 295.456**, and **1, 10.660, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **16, 18.510, 296.394**, and if you desaturate by 10%, it is **22, 9.179, 294.036**.

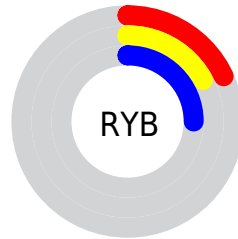
Distribution



 Red (18%)

 Green (17%)

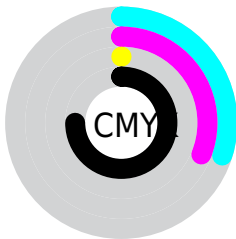
 Blue (25%)



 Red (18%)

 Yellow (17%)

 Blue (25%)

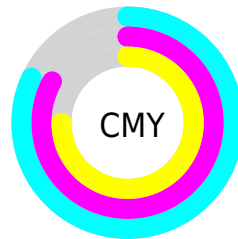


 Cyan (30%)

 Magenta (31%)

 Yellow (0%)

 Black (75%)



 Cyan (82%)

 Magenta (83%)

 Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.760, 295.137 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, 13.760, 295.137 by changing the saturation by 10% instead.

■ 19, 13.760,
295.137

■ 19, 13.760,
295.137

■ 100, 13.760,
295.137

■ 9, 13.760, 295.137

■ 39, 13.760,
295.137

■ 0, 13.760, 295.137

■ 49, 13.760,
295.137

■ 59, 13.760,
295.137

■ 69, 13.760,
295.137

■ 79, 13.760,
295.137

■ 89, 13.760,

295.137

99, 13.760,
295.137

19, 13.760,
295.137

19, 13.760,
295.137

16, 18.510,
296.394

22, 9.179, 294.036

14, 23.427,
297.815

24, 4.762, 293.080

27, 0.499, 292.284

11, 28.487,
299.389

29, 3.620, 111.515

9, 33.615, 301.072

32, 7.604, 110.889

7, 38.319, 302.432

35, 11.461,
110.342

5, 41.786, 302.867

■ 4, 44.584, 302.893

■ 37, 15.199,
109.863

■ 40, 18.826,
109.444

■ 42, 22.349,
109.076

Harmonies

Complementary

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



19, 13.760, 295.137



27, 12.892, 109.728

Rectangle

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



19, 13.760, 295.137



19, 13.760, 345.137



19, 13.760, 115.137



19, 13.760, 165.137

Sweetspot

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



19, 13.759, 295.137



33, 4.788, 292.924



25, 7.860, 202.964



16, 3.360, 292.987



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



19, 13.759, 295.137



24, 20.740, 296.060



20, 14.473, 312.041



11, 2.423, 292.852



8, 65.536, 306.602



28, 121.262, 306.404

Inverse Universe

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



21, 15.525, 327.338



27, 23.008, 327.699



26, 13.998, 129.559



12, 2.831, 326.204



21, 54.824, 330.200



53, 100.828, 330.361

Previews

White Background



This preview shows how the CIE LCh color 19, 13.760, 295.137 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 19, 13.760, 295.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

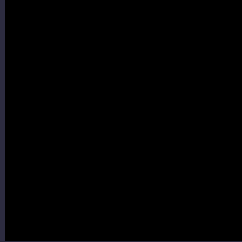
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 13.760, 295.137

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.760, 295.137.

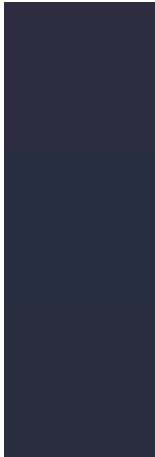


This preview shows how white text looks on a background with the CIELCh color 19, 13.760, 295.137.

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

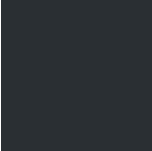
19, 13.760, 295.137

Protanopia

19, 13.139, 282.959

Deuteranopia

19, 12.474, 282.153



Tritanopia
19, 3.489, 251.104

Trichromacy



Original Color
19, 13.760, 295.137

Protanomaly
19, 13.735, 288.489

Deuteranomaly
19, 13.057, 288.034

Tritanomaly
19, 6.945, 281.129

Monochromacy



Original Color
19, 13.760, 295.137

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 4.798, 291.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.760, 295.137 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, 44, 64)` looks like.

```
.text, #text, p{  
    color:rgb(45, 44, 64)  
}
```

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, 44, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 44, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.760, 295.137 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, 44, 64) }
```

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

```
.border{ border-color:rgb(45, 44, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 44, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 44, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 44, 64);  
box-shadow:4px 4px 4px 4px rgb(45, 44, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.760, 295.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 44, 64) }
```

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

```
.background{ background-color: rgb(45, 44,  
64) }
```

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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