

Converting Colors

CIELCh(19, 16.496, 297.275)

Have a look what the booklet for
CIELCh(19, 16.496, 297.275)
contains.

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Color

CIELCh(19, 16.572, 298.173)

Conversions

Conversions Part 1

Format	Color
Hex	2E2B43
RGB	46, 43, 67
RGB Percent	18%, 17%, 26%
CMY	0.8184, 0.8302, 0.7360
CMYK	0.31, 0.36, 0.00, 0.74
HSL	248°, 22%, 22%
HSV	248°, 36%, 26%
XYZ	3.0384, 2.7468, 5.7312
YIQ	46.6330, -5.9160, 8.1000

Conversions

Conversions Part 2

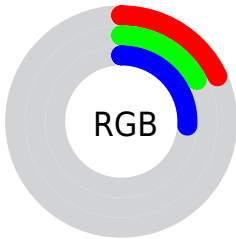
Format	Color
R_{YB}	46, 43, 67
Decimal	3025731
CIE _{Lab}	19.00, 7.82, -14.61
CIE _{LCh}	19, 16.572, 298.173
Yxy	2.7468, 0.2638, 0.2385
Android (android.graphics.Color)	4281215811 (0xFF2E2B43)
YUV	46.6330, 10.0409, -0.5551
Hunter-Lab	16.5735, 3.7206, -8.9013

Details

The CIELCh color **19, 16.572, 298.173** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 15.377, 112.643**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 16.734, 299.224**, and **1, 12.136, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **16, 21.592, 299.312**, and if you desaturate by 10%, it is **22, 11.717, 297.162**.

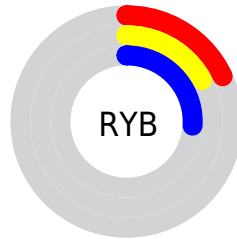
Distribution



Red (18%)

Green (17%)

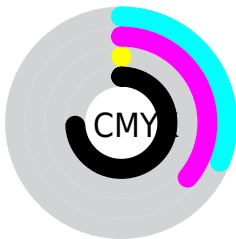
Blue (26%)



Red (18%)

Yellow (17%)

Blue (26%)

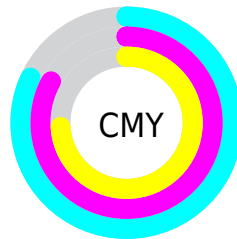


Cyan (31%)

Magenta (36%)

Yellow (0%)

Black (74%)



Cyan (82%)

Magenta (83%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 16.572, 298.173 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, 16.572, 298.173 by changing the saturation by 10% instead.

■ 19, 16.572,
298.173

■ 19, 16.572,
298.173

■ 100, 16.572,
298.173

■ 9, 16.572, 298.173

■ 39, 16.572,
298.173

■ 0, 16.572, 298.173

■ 49, 16.572,
298.173


■ 59, 16.572,
298.173


■ 69, 16.572,
298.173


■ 79, 16.572,
298.173


■ 89, 16.572,


298.173


 99, 16.572,
298.173

 19, 16.572,
298.173


 19, 16.572,
298.173

 16, 21.592,
299.312

 22, 11.717,
297.162

 14, 26.761,
300.574

 24, 7.030, 296.274

 11, 32.023,
301.934


 27, 2.506, 295.499

 30, 1.864, 114.813

 9, 37.253, 303.332

 32, 6.089, 114.225

 7, 41.881, 304.366

 35, 10.177,
113.710

 5, 45.621, 304.829

■ 4, 47.163, 304.998

■ 38, 14.138,
113.260

■ 40, 17.978,
112.866

■ 43, 21.705,
112.522

Harmonies

Complementary

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



19, 16.572, 298.173



28, 15.377, 112.643

Rectangle

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



19, 16.572, 298.173



19, 16.572, 348.173



19, 16.572, 118.173



19, 16.572, 168.173

Sweetspot

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



19, 16.571, 298.173



33, 6.041, 295.932



26, 8.680, 210.393



15, 3.998, 295.965



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, 16.571, 298.173



23, 25.037, 299.197



20, 17.514, 314.416



11, 2.432, 295.705



8, 65.051, 307.082



29, 120.717, 306.685

Inverse Universe

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



21, 17.539, 329.930



26, 25.909, 330.417



27, 16.963, 131.590



12, 2.688, 328.461



21, 51.870, 333.557



52, 94.993, 334.029

Previews

White Background



This preview shows how the CIE LCh color 19, 16.572, 298.173 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, 16.572, 298.173 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, 16.572, 298.173

Background



This preview shows how black text looks on a background with the CIELCh color 19, 16.572, 298.173.



This preview shows how white text looks on a background with the CIELCh color 19, 16.572, 298.173.

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, 16.572, 298.173

Protanopia

19, 16.567, 285.039

Deuteranopia

19, 14.580, 281.548



Tritanopia
19, 2.705, 248.780

Trichromacy



Original Color
19, 16.572, 298.173

Protanomaly
19, 16.493, 290.120

Deuteranomaly
19, 15.113, 287.888

Tritanomaly
19, 6.888, 284.626

Monochromacy



Original Color
19, 16.572, 298.173

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 5.507, 296.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 16.572, 298.173 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(46, 43, 67)` looks like.

```
.text, #text, p{  
    color:rgb(46, 43, 67)  
}
```

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(46, 43, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 43, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 16.572, 298.173 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(46, 43, 67) }
```

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

```
.border{ border-color:rgb(46, 43, 67) }
```

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

Here you see how a box with a 4 pixel rgb(46, 43, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 43, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 43, 67);  
box-shadow:4px 4px 4px 4px rgb(46, 43, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 16.572, 298.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 43, 67) }
```

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

```
.background{ background-color: rgb(46, 43,  
67) }
```

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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