

Converting Colors

CIELCh(19, 16.747, 304.884)

Have a look what the booklet for
CIELCh(19, 16.747, 304.884)
contains.

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Color

CIELCh(19, 16.871, 305.112)

Conversions

Conversions Part 1

Format	Color
Hex	322A42
RGB	50, 42, 66
RGB Percent	20%, 16%, 26%
CMY	0.8032, 0.8346, 0.7404
CMYK	0.24, 0.36, 0.00, 0.74
HSL	260°, 22%, 21%
HSV	260°, 36%, 26%
XYZ	3.1477, 2.7468, 5.5479
YIQ	47.1280, -2.9360, 9.1600

Conversions

Conversions Part 2

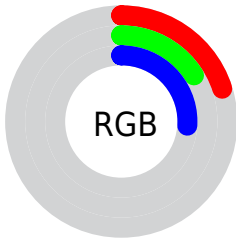
Format	Color
R_{YB}	50, 42, 66
Decimal	3287618
CIE _{Lab}	19.00, 9.70, -13.80
CIE _{LCh}	19, 16.871, 305.112
Yxy	2.7468, 0.2751, 0.2401
Android (android.graphics.Color)	4281477698 (0xFF322A42)
YUV	47.1280, 9.3039, 2.5187
Hunter-Lab	16.5735, 4.8972, -8.2456




Details

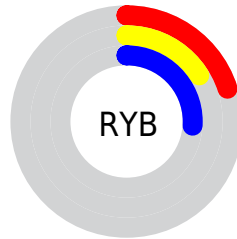
The CIELCh color **19, 16.871, 305.112** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 15.861, 121.291**, and the grayscale version is **20, 0.004, 296.813**.




A 20% lighter version of the original color is **39, 17.092, 305.701**, and **1, 12.136, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **17, 21.806, 305.808**, and if you desaturate by 10%, it is **21, 12.045, 304.467**.

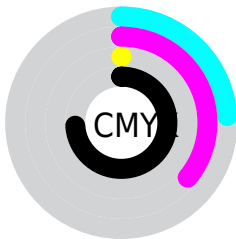
Distribution







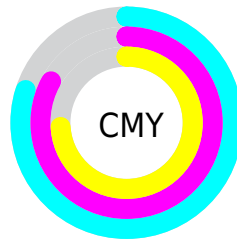
-  Red (20%)
-  Green (16%)
-  Blue (26%)






-  Red (20%)
-  Yellow (16%)
-  Blue (26%)



-  Cyan (24%)
-  Magenta (36%)
-  Yellow (0%)
-  Black (74%)



-  Cyan (80%)
-  Magenta (83%)
-  Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 16.871, 305.112 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, 16.871, 305.112 by changing the saturation by 10% instead.

■ 19, 16.871,
305.112

■ 19, 16.871,
305.112

■ 100, 16.871,
305.112

■ 9, 16.871, 305.112

■ 39, 16.871,
305.112

■ 0, 16.871, 305.112

■ 49, 16.871,
305.112

■ 59, 16.871,
305.112

■ 69, 16.871,
305.112

■ 79, 16.871,
305.112

■ 89, 16.871,

305.112

99, 16.871,
305.112

19, 16.871,
305.112

19, 16.871,
305.112

17, 21.806,
305.808

21, 12.045,
304.467

14, 26.812,
306.540

24, 7.351, 303.879

26, 2.795, 303.345

12, 31.808,
307.278

29, 1.624, 122.901

10, 36.654,
307.971

31, 5.908, 122.472

8, 41.115, 308.526

34, 10.063,
122.102

■ 6, 45.124, 308.792

■ 36, 14.095,
121.778

■ 5, 46.544, 308.836

■ 39, 18.010,
121.493

■ 41, 21.814,
121.245

Harmonies

Complementary

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



19, 16.871, 305.112



27, 15.861, 121.291

Rectangle

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



19, 16.871, 305.112



19, 16.871, 355.112



19, 16.871, 125.112



19, 16.871, 175.112

Sweetspot

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



19, 16.870, 305.112



33, 6.173, 303.616



23, 8.183, 239.433



15, 4.085, 303.639



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, 16.870, 305.112



23, 25.936, 305.781



20, 18.364, 321.241



11, 2.486, 303.461



10, 63.063, 309.411



32, 117.382, 308.666

Inverse Universe

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



21, 15.244, 338.097



26, 23.017, 338.854



26, 18.155, 138.020



12, 2.317, 336.151



20, 45.060, 345.886



50, 81.916, 347.755

Previews

White Background



This preview shows how the CIELCh color 19, 16.871, 305.112 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, 16.871, 305.112 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, 16.871, 305.112

Background



This preview shows how black text looks on a background with the CIELCh color 19, 16.871, 305.112.



This preview shows how white text looks on a background with the CIELCh color 19, 16.871, 305.112.

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, 16.871, 305.112

Protanopia

19, 16.567, 285.039

Deuteranopia

19, 13.198, 281.354



Tritanopia
19, 2.116, 303.314

Trichromacy



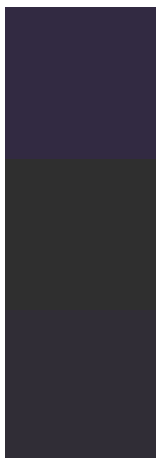
Original Color
19, 16.871, 305.112

Protanomaly
19, 16.479, 291.416

Deuteranomaly
19, 13.715, 290.110

Tritanomaly
19, 7.014, 302.755

Monochromacy



Original Color
19, 16.871, 305.112

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 6.344, 303.860

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 16.871, 305.112 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(50, 42, 66)` looks like.

```
.text, #text, p{  
    color:rgb(50, 42, 66)  
}
```

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(50, 42, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 42, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 16.871, 305.112 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(50, 42, 66) }
```

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

```
.border{ border-color:rgb(50, 42, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 42, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 42, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 42, 66);  
box-shadow:4px 4px 4px 4px rgb(50, 42, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 16.871, 305.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 42, 66) }
```

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

```
.background{ background-color: rgb(50, 42,  
66) }
```

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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