

Converting Colors

CIELCh(19, 27.543, 303.668)

Have a look what the booklet for
CIELCh(19, 27.543, 303.668)
contains.

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Color

CIELCh(19, 27.641, 303.665)

Conversions

Conversions Part 1

Format	Color
Hex	322850
RGB	50, 40, 80
RGB Percent	20%, 16%, 31%
CMY	0.8050, 0.8441, 0.6874
CMYK	0.38, 0.50, 0.00, 0.69
HSL	255°, 33%, 23%
HSV	255°, 50%, 31%
XYZ	3.4898, 2.7468, 7.8812
YIQ	47.5500, -6.8800, 14.5600

Conversions

Conversions Part 2

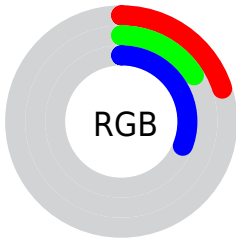
Format	Color
R_{YB}	50, 40, 80
Decimal	3287120
CIE _{Lab}	19.00, 15.32, -23.01
CIE _{LCh}	19, 27.641, 303.665
Yxy	2.7468, 0.2472, 0.1946
Android (android.graphics.Color)	4281477200 (0xFF322850)
YUV	47.5500, 15.9979, 2.1487
Hunter-Lab	16.5735, 8.5820, -16.5925

Details

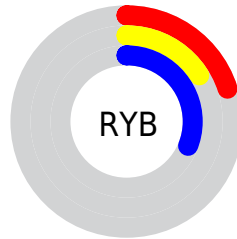
The CIELCh color **19, 27.641, 303.665** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **32, 24.887, 117.085**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 28.071, 303.748**, and **1, 21.016, 294.601** is the 20% darker color. If you saturate the color by 10%, you get **16, 33.567, 304.638**, and if you desaturate by 10%, it is **22, 21.800, 302.749**.

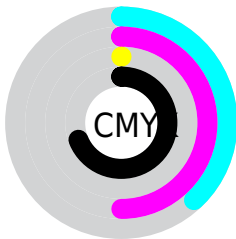
Distribution



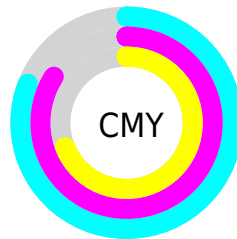
- Red (20%)
- Green (16%)
- Blue (31%)



- Red (20%)
- Yellow (16%)
- Blue (31%)



- Cyan (38%)
- Magenta (50%)
- Yellow (0%)
- Black (69%)



- Cyan (81%)
- Magenta (84%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 27.641, 303.665 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, 27.641, 303.665 by changing the saturation by 10% instead.

■ 19, 27.641,
303.665

■ 19, 27.641,
303.665

■ 100, 27.641,
303.665

■ 9, 27.641, 303.665

■ 39, 27.641,
303.665

■ 0, 27.641, 303.665

■ 49, 27.641,
303.665

■ 59, 27.641,
303.665

■ 69, 27.641,
303.665

■ 79, 27.641,
303.665


■ 89, 27.641,


303.665


 99, 27.641,
303.665


 19, 27.641,
303.665


 19, 27.641,
303.665


 16, 33.567,
304.638


 22, 21.800,
302.749

 13, 39.454,
305.622

 25, 16.106,
301.912

 11, 45.071,
306.537

 28, 10.585,
301.159

 9, 50.117, 307.299

 31, 5.242, 300.489

 7, 55.335, 308.266

 34, 0.075, 299.698

 37, 4.921, 119.390

■ 40, 9.756, 118.937

■ 43, 14.437,
118.542

■ 46, 18.974,
118.198

Harmonies

Complementary

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



19, 27.641, 303.665



32, 24.887, 117.085

Rectangle

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



19, 27.641, 303.665



19, 27.641, 353.665



19, 27.641, 123.665



19, 27.641, 173.665

Sweetspot

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



19, 27.640, 303.665



39, 9.790, 300.842



28, 12.451, 227.206



19, 6.747, 300.925



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



19, 27.640, 303.665



22, 41.992, 304.843



21, 28.954, 318.694



15, 2.939, 300.403



11, 67.560, 308.176



31, 122.092, 307.618

Inverse Universe

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



22, 25.690, 335.555



28, 37.503, 336.470



31, 28.151, 134.396



15, 2.940, 332.803



22, 50.025, 340.484



52, 88.676, 341.581

Previews

White Background



This preview shows how the CIE LCh color 19, 27.641, 303.665 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, 27.641, 303.665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

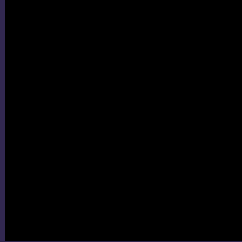
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 27.641, 303.665

Background



This preview shows how black text looks on a background with the CIELCh color 19, 27.641, 303.665.



This preview shows how white text looks on a background with the CIELCh color 19, 27.641, 303.665.

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

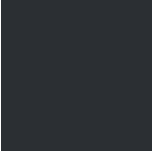
19, 27.641, 303.665

Protanopia

19, 27.567, 284.978

Deuteranopia

19, 21.906, 276.344



Tritanopia
19, 3.238, 257.222

Trichromacy



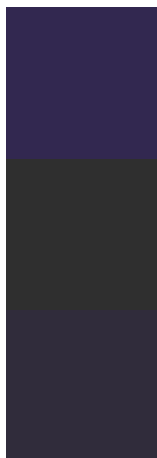
Original Color
19, 27.641, 303.665

Protanomaly
19, 27.394, 291.159

Deuteranomaly
19, 24.088, 287.241

Tritanomaly
19, 11.713, 295.024

Monochromacy



Original Color
19, 27.641, 303.665

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 10.484, 302.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 27.641, 303.665 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, 40, 80)` looks like.

```
.text, #text, p{  
    color:rgb(50, 40, 80)  
}
```

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, 40, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 40, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 27.641, 303.665 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, 40, 80) }
```

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

```
.border{ border-color:rgb(50, 40, 80) }
```

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

Here you see how a box with a 4 pixel rgb(50, 40, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 40, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 40, 80);  
box-shadow:4px 4px 4px 4px rgb(50, 40, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 27.641, 303.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 40, 80) }
```

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

```
.background{ background-color: rgb(50, 40,  
80) }
```

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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