

Converting Colors

CIELCh(19, 29.937, 307.596)

Have a look what the booklet for
CIELCh(19, 29.937, 307.596)
contains.

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Color

CIELCh(19, 29.937, 307.596)

Conversions

Conversions Part 1

Format	Color
Hex	362651
RGB	54, 38, 81
RGB Percent	21%, 15%, 32%
CMY	0.7889, 0.8516, 0.6831
CMYK	0.33, 0.53, 0.00, 0.68
HSL	262°, 36%, 23%
HSV	262°, 53%, 32%
XYZ	3.6784, 2.7468, 8.0856
YIQ	47.6860, -4.2670, 16.7650

Conversions

Conversions Part 2

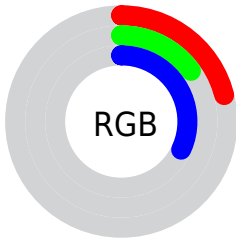
Format	Color
R_{YB}	54, 38, 81
Decimal	3548753
CIE _{Lab}	19.00, 18.26, -23.72
CIE _{LCh}	19, 29.937, 307.596
Yxy	2.7468, 0.2535, 0.1893
Android (android.graphics.Color)	4281738833 (0xFF362651)
YUV	47.6860, 16.4238, 5.5374
Hunter-Lab	16.5735, 10.6136, -17.3240

Details

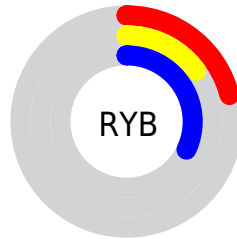
The CIELCh color **19, 29.937, 307.596** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **32, 27.242, 122.001**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 30.303, 307.413**, and **2, 22.017, 299.077** is the 20% darker color. If you saturate the color by 10%, you get **16, 35.799, 308.273**, and if you desaturate by 10%, it is **22, 24.053, 306.918**.

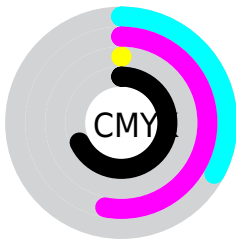
Distribution



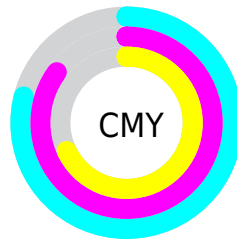
- Red (21%)
- Green (15%)
- Blue (32%)



- Red (21%)
- Yellow (15%)
- Blue (32%)



- Cyan (33%)
- Magenta (53%)
- Yellow (0%)
- Black (68%)



- Cyan (79%)
- Magenta (85%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 29.937, 307.596 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, 29.937, 307.596 by changing the saturation by 10% instead.

■ 19, 29.937,
307.596

■ 19, 29.937,
307.596

■ 100, 29.937,
307.596

■ 9, 29.937, 307.596

■ 39, 29.937,
307.596

■ 0, 29.937, 307.596

■ 49, 29.937,
307.596


■ 59, 29.937,
307.596


■ 69, 29.937,
307.596


■ 79, 29.937,
307.596


■ 89, 29.937,


307.596


 99, 29.937,
307.596


 19, 29.937,
307.596


 19, 29.937,
307.596

 16, 35.799,
308.273

 22, 24.053,
306.918

 14, 41.471,
308.895

 25, 18.245,
306.268

 11, 46.683,
309.384

 28, 12.566,
305.664

 9, 51.378, 309.769

 31, 7.040, 305.111

 8, 55.067, 310.310

 33, 1.676, 304.599

 36, 3.524, 124.192

■ 39, 8.565, 123.794

■ 42, 13.453,
123.449

■ 45, 18.194,
123.146

Harmonies

Complementary

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



19, 29.937, 307.596



32, 27.242, 122.001

Rectangle

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



19, 29.937, 307.596



19, 29.937, 357.596



19, 29.937, 127.596



19, 29.937, 177.596

Sweetspot

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



19, 29.936, 307.596



38, 10.626, 305.292



26, 13.750, 247.446



18, 7.244, 305.353



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, 29.936, 307.596



22, 44.900, 308.471



22, 31.642, 322.924



15, 2.990, 304.882



12, 66.113, 309.942



34, 119.541, 309.236

Inverse Universe

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



22, 25.331, 341.551



26, 36.585, 342.975



31, 31.334, 137.652



15, 2.694, 337.883



21, 46.450, 348.963



51, 82.244, 350.975

Previews

White Background



This preview shows how the CIELCh color 19, 29.937, 307.596 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, 29.937, 307.596 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, 29.937, 307.596

Background



This preview shows how black text looks on a background with the CIELCh color 19, 29.937, 307.596.



This preview shows how white text looks on a background with the CIELCh color 19, 29.937, 307.596.

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, 29.937, 307.596

Protanopia

19, 29.604, 285.229

Deuteranopia

19, 22.584, 276.645



Tritanopia
19, 2.116, 303.314

Trichromacy



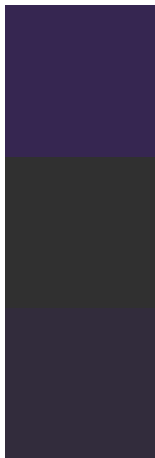
Original Color
19, 29.937, 307.596

Protanomaly
19, 29.467, 292.162

Deuteranomaly
19, 24.717, 288.346

Tritanomaly
19, 12.685, 304.637

Monochromacy



Original Color
19, 29.937, 307.596

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 11.318, 305.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 29.937, 307.596 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(54, 38, 81)` looks like.

```
.text, #text, p{  
    color:rgb(54, 38, 81)  
}
```

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(54, 38, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 38, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 29.937, 307.596 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(54, 38, 81) }
```

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

```
.border{ border-color:rgb(54, 38, 81) }
```

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

Here you see how a box with a 4 pixel rgb(54, 38, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 38, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 38, 81);  
box-shadow:4px 4px 4px 4px rgb(54, 38, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 29.937, 307.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 38, 81) }
```

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

```
.background{ background-color: rgb(54, 38,  
81) }
```

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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