

Converting Colors

CIELCh(27, 48.959, 19.059)

Have a look what the booklet for
CIELCh(27, 48.959, 19.059) contains.

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Color

CIELCh(27, 49.063, 19.191)

Conversions

Conversions Part 1

Format	Color
Hex	80102A
RGB	128, 16, 42
RGB Percent	50%, 6%, 16%
CMY	0.4991, 0.9387, 0.8361
CMYK	0.00, 0.88, 0.67, 0.50
HSL	346°, 78%, 28%
HSV	346°, 88%, 50%
XYZ	9.4559, 5.0937, 2.6569
YIQ	52.4520, 58.4060, 31.8300

Conversions

Conversions Part 2

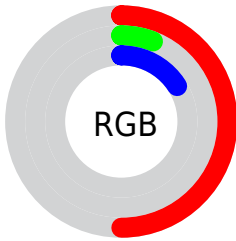
Format	Color
R_{YB}	128, 16, 42
Decimal	8392746
CIE _{Lab}	27.00, 46.34, 16.13
CIE _{LCh}	27, 49.063, 19.191
Yxy	5.0937, 0.5496, 0.2960
Android (android.graphics.Color)	4286582826 (0xFF80102A)
YUV	52.4520, -5.1528, 66.2556
Hunter-Lab	22.5692, 35.2906, 8.8186

Details

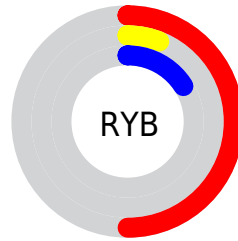
The CIELCh color **27, 49.063, 19.191** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **48, 36.202, 170.395**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 48.959, 19.059**, and **12, 37.152, 29.991** is the 20% darker color. If you saturate the color by 10%, you get **26, 52.835, 23.913**, and if you desaturate by 10%, it is **29, 44.758, 15.021**.

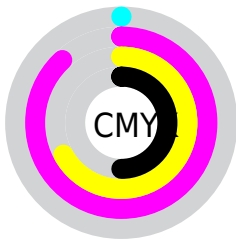
Distribution



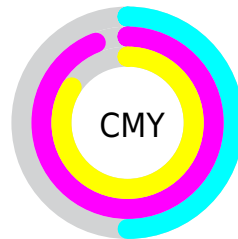
- Red (50%)
- Green (6%)
- Blue (16%)



- Red (50%)
- Yellow (6%)
- Blue (16%)



- Cyan (0%)
- Magenta (88%)
- Yellow (67%)
- Black (50%)



- Cyan (50%)
- Magenta (94%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 49.063, 19.191 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 27, 49.063, 19.191 by changing the saturation by 10% instead.

■ 27, 49.063, 19.191

■ 27, 49.063, 19.191

■ 100, 49.063,
19.191

■ 17, 49.063, 19.191

■ 47, 49.063, 19.191

■ 7, 49.063, 19.191

■ 57, 49.063, 19.191

■ 0, 49.063, 19.191

■ 67, 49.063, 19.191

■ 77, 49.063, 19.191

■ 87, 49.063, 19.191

■ 97, 49.063, 19.191

■ 27, 49.063, 19.191

■ 27, 49.063, 19.191

26, 52.835, 23.913

29, 44.758, 15.021

26, 53.734, 24.894

31, 39.716, 11.645

33, 34.086, 8.954

36, 28.096, 6.803

40, 21.969, 5.062

43, 15.882, 3.627

47, 9.953, 2.417

51, 4.250, 1.349

54, 1.194, 180.851

Harmonies

Complementary

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



27, 49.063, 19.191



48, 36.202, 170.395

Rectangle

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



27, 49.063, 19.191



27, 49.063, 69.191



27, 49.063, 199.191



27, 49.063, 249.191

Sweetspot

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



27, 49.061, 19.193



56, 18.367, 3.478



26, 66.984, 319.647



28, 12.616, 3.858



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



27, 49.061, 19.193



34, 65.650, 26.335



30, 49.874, 45.460



25, 3.092, 1.489



26, 53.660, 24.883



0, 0.000, 0.000

Inverse Universe

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



27, 49.061, 19.193



34, 65.650, 26.335



39, 25.726, 239.918



25, 3.092, 1.489



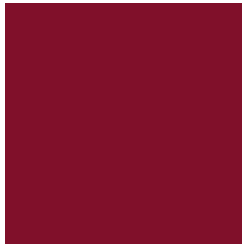
26, 53.660, 24.883



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 27, 49.063, 19.191 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 27, 49.063, 19.191 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 27, 49.063, 19.191

Background



This preview shows how black text looks on a background with the CIELCh color 27, 49.063, 19.191.



This preview shows how white text looks on a background with the CIELCh color 27, 49.063, 19.191.

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

27, 49.063, 19.191

Protanopia

28, 4.102, 89.661

Deuteranopia

28, 19.837, 78.628



Tritanopia
27, 52.598, 34.289

Trichromacy



Original Color
27, 49.063, 19.191

Protanomaly
25, 20.411, 14.924

Deuteranomaly
26, 27.794, 35.204

Tritanomaly
27, 50.694, 28.995

Monochromacy



Original Color
27, 49.063, 19.191

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 20.476, 7.977

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 49.063, 19.191 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(128, 16, 42)` looks like.

```
.text, #text, p{  
    color:rgb(128, 16, 42)  
}
```

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(128, 16, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 16, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 49.063, 19.191 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(128, 16, 42) }
```

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

```
.border{ border-color:rgb(128, 16, 42) }
```

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

Here you see how a box with a 4 pixel rgb(128, 16, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 16, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 16, 42);  
box-shadow:4px 4px 4px 4px rgb(128, 16,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 49.063, 19.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 16, 42) }
```

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

```
.background{ background-color: rgb(128, 16,  
42) }
```

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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