

Converting Colors

CIELCh(27, 51.332, 10.003)

Have a look what the booklet for
CIELCh(27, 51.332, 10.003) contains.

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Color

CIELCh(27, 51.417, 9.722)

Conversions

Conversions Part 1

Format	Color
Hex	830135
RGB	131, 1, 53
RGB Percent	51%, 0%, 21%
CMY	0.4866, 0.9966, 0.7924
CMYK	0.00, 0.99, 0.60, 0.49
HSL	336°, 99%, 26%
HSV	336°, 99%, 51%
XYZ	9.9976, 5.0937, 3.8168
YIQ	45.7980, 60.7880, 43.7320

Conversions

Conversions Part 2

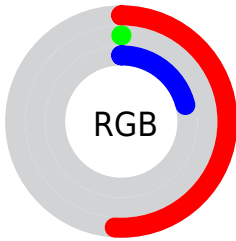
Format	Color
RYB	131, 1, 53
Decimal	8585525
CIELab	27.00, 50.68, 8.68
CIElCh	27, 51.417, 9.722
Yxy	5.0937, 0.5287, 0.2694
Android (android.graphics.Color)	4286775605 (0xFF830135)
YUV	45.7980, 3.5506, 74.7222
Hunter-Lab	22.5692, 39.5748, 5.7715

Details

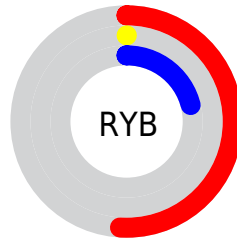
The CIELCh color **27, 51.417, 9.722** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **48, 47.825, 155.599**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 51.349, 9.718**, and **13, 37.294, 26.501** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.578, 9.991**, and if you desaturate by 10%, it is **28, 49.164, 5.589**.

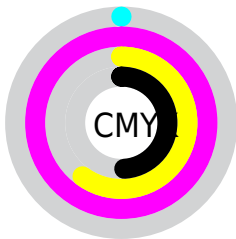
Distribution



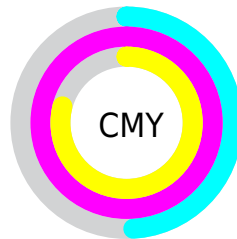
- Red (51%)
- Green (0%)
- Blue (21%)



- Red (51%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (99%)
- Yellow (60%)
- Black (49%)




- Cyan (49%)
- Magenta (100%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 51.417, 9.722 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, 51.417, 9.722 by changing the saturation by 10% instead.

 27, 51.417, 9.722  27, 51.417, 9.722

 100, 51.417, 9.722  17, 51.417, 9.722

 47, 51.417, 9.722  7, 51.417, 9.722


 57, 51.417, 9.722  0, 51.417, 9.722

 67, 51.417, 9.722

 77, 51.417, 9.722

 87, 51.417, 9.722

 97, 51.417, 9.722

 27, 51.417, 9.722  27, 51.417, 9.722

 27, 51.578, 9.991  28, 49.164, 5.589

■ 29, 46.158, 2.018

■ 32, 41.990,
359.181

■ 34, 36.848,
356.917

■ 37, 31.018,
355.081

■ 40, 24.785,
353.560

■ 44, 18.386,
352.271

■ 47, 11.989,
351.153

■ 51, 5.707, 350.150

Harmonies

Complementary

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



27, 51.417, 9.722



48, 47.825, 155.599

Rectangle

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



27, 51.417, 9.722



27, 51.417, 59.722



27, 51.417, 189.722



27, 51.417, 239.722

Sweetspot

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



27, 51.414, 9.724



56, 23.399, 352.435



21, 74.269, 314.292



27, 16.127, 352.888



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



27, 51.414, 9.724



36, 62.781, 11.302



27, 61.029, 40.015



26, 3.484, 350.131



27, 51.329, 9.955



0, 0.823, 349.389

Inverse Universe

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



27, 51.414, 9.724



36, 62.781, 11.302



46, 27.623, 210.368



26, 3.484, 350.131



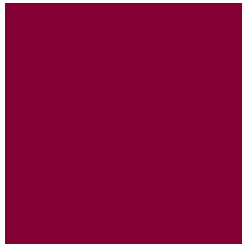
27, 51.329, 9.955



0, 0.823, 349.389

Previews

White Background



This preview shows how the CIELCh color 27, 51.417, 9.722 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, 51.417, 9.722 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, 51.417, 9.722

Background



This preview shows how black text looks on a background with the CIELCh color 27, 51.417, 9.722.



This preview shows how white text looks on a background with the CIELCh color 27, 51.417, 9.722.

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, 51.417, 9.722

Protanopia

29, 6.461, 287.704

Deuteranopia

28, 13.665, 72.298



Tritanopia
28, 54.337, 34.730

Trichromacy



Original Color
27, 51.417, 9.722

Protanomaly
25, 25.696, 346.837

Deuteranomaly
25, 28.176, 16.066

Tritanomaly
27, 52.192, 26.155

Monochromacy



Original Color
27, 51.417, 9.722

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 24.594, 356.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 51.417, 9.722 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(131, 1, 53)` looks like.

```
.text, #text, p{  
    color:rgb(131, 1, 53)  
}
```

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(131, 1, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 1, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 51.417, 9.722 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(131, 1, 53) }
```

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

```
.border{ border-color:rgb(131, 1, 53) }
```

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

Here you see how a box with a 4 pixel rgb(131, 1, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 1, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 1, 53);  
box-shadow:4px 4px 4px 4px rgb(131, 1, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 51.417, 9.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 1, 53) }
```

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

```
.background{ background-color: rgb(131, 1,  
53) }
```

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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