

Converting Colors

CIELCh(27, 55.062, 24.504)

Have a look what the booklet for
CIELCh(27, 55.062, 24.504) contains.

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Color

CIELCh(27, 55.199, 24.551)

Conversions

Conversions Part 1

Format	Color
Hex	850020
RGB	133, 0, 32
RGB Percent	52%, 0%, 13%
CMY	0.4783, 0.9998, 0.8744
CMYK	0.00, 1.00, 0.76, 0.48
HSL	346°, 100%, 26%
HSV	346°, 100%, 52%
XYZ	9.9379, 5.0937, 1.8270
YIQ	43.4150, 68.9960, 38.1480

Conversions

Conversions Part 2

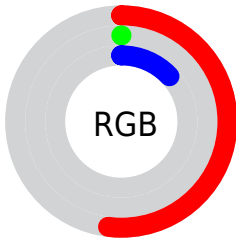
Format	Color
R_{YB}	133, 0, 32
Decimal	8716320
CIE Lab	27.00, 50.21, 22.94
CIE LCh	27, 55.199, 24.551
Yxy	5.0937, 0.5895, 0.3021
Android (android.graphics.Color)	4286906400 (0xFF850020)
YUV	43.4150, -5.6276, 78.5660
Hunter-Lab	22.5692, 39.1033, 10.9988

Details

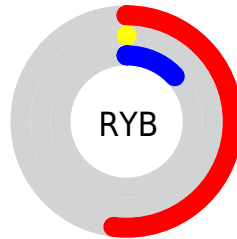
The CIELCh color **27, 55.199, 24.551** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **49, 40.041, 167.553**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 55.406, 24.290**, and **13, 38.520, 30.845** is the 20% darker color. If you saturate the color by 10%, you get **27, 55.213, 24.571**, and if you desaturate by 10%, it is **28, 51.387, 19.813**.

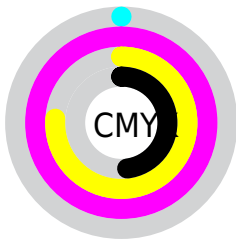
Distribution



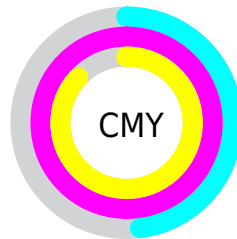
- Red (52%)
- Green (0%)
- Blue (13%)



- Red (52%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (48%)



- Cyan (48%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 55.199, 24.551 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, 55.199, 24.551 by changing the saturation by 10% instead.

■ 27, 55.199, 24.551

■ 27, 55.199, 24.551

■ 100, 55.199,
24.551

■ 17, 55.199, 24.551

■ 47, 55.199, 24.551

■ 7, 55.199, 24.551

■ 57, 55.199, 24.551

■ 0, 55.199, 24.551

■ 67, 55.199, 24.551

■ 77, 55.199, 24.551

■ 87, 55.199, 24.551

■ 97, 55.199, 24.551

■ 27, 55.199, 24.551

■ 27, 55.199, 24.551

27, 55.213, 24.571

28, 51.387, 19.813

29, 47.203, 15.430

31, 42.221, 11.865

34, 36.562, 9.022

37, 30.457, 6.755

40, 24.147, 4.927

44, 17.832, 3.427

48, 11.650, 2.168

52, 5.685, 1.074

Harmonies

Complementary

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



27, 55.199, 24.551



49, 40.041, 167.553

Rectangle

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



27, 55.199, 24.551



27, 55.199, 74.551



27, 55.199, 204.551



27, 55.199, 254.551

Sweetspot

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



27, 55.197, 24.553



57, 22.202, 3.526



25, 73.116, 319.216



27, 15.172, 4.037



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, 55.197, 24.553



36, 67.702, 25.983



30, 58.738, 45.619



26, 3.205, 0.987



26, 54.269, 24.434



0, 0.752, 0.220

Inverse Universe

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



27, 55.197, 24.553



36, 67.702, 25.983



39, 28.012, 244.840



26, 3.205, 0.987



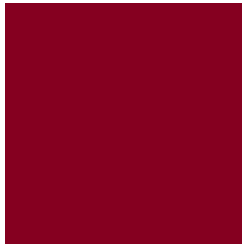
26, 54.269, 24.434



0, 0.752, 0.220

Previews

White Background



This preview shows how the CIELCh color 27, 55.199, 24.551 looks on a white background.

Color Contrast Check

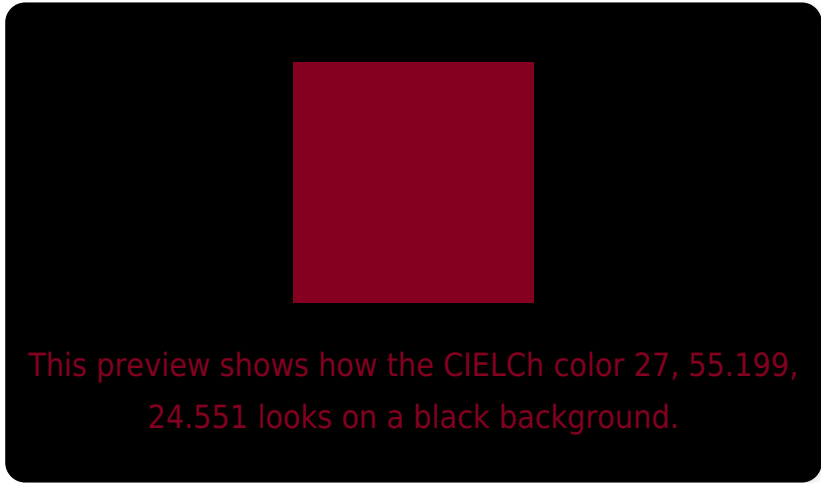
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 55.199, 24.551

Background



This preview shows how black text looks on a background with the CIELCh color 27, 55.199, 24.551.



This preview shows how white text looks on a background with the CIELCh color 27, 55.199, 24.551.

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, 55.199, 24.551

Protanopia

28, 12.518, 94.186

Deuteranopia

28, 27.351, 82.235



Tritanopia
28, 60.015, 38.109

Trichromacy



Original Color
27, 55.199, 24.551

Protanomaly
25, 26.355, 26.667

Deuteranomaly
25, 34.712, 40.368

Tritanomaly
27, 58.263, 33.987

Monochromacy



Original Color
27, 55.199, 24.551

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 24.779, 8.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 55.199, 24.551 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(133, 0, 32)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 32)  
}
```

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(133, 0, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 55.199, 24.551 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(133, 0, 32) }
```

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

```
.border{ border-color:rgb(133, 0, 32) }
```

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

Here you see how a box with a 4 pixel rgb(133, 0, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 32);  
box-shadow:4px 4px 4px 4px rgb(133, 0, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 55.199, 24.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 32) }
```

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

```
.background{ background-color: rgb(133, 0,  
32) }
```

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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