

Converting Colors

CIELCh(27, 56.020, 26.428)

Have a look what the booklet for
CIELCh(27, 56.020, 26.428) contains.

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Color

CIELCh(27, 55.916, 26.389)

Conversions

Conversions Part 1

Format	Color
Hex	85001D
RGB	133, 0, 29
RGB Percent	52%, 0%, 11%
CMY	0.4778, 0.9990, 0.8859
CMYK	0.00, 1.00, 0.78, 0.48
HSL	347°, 100%, 26%
HSV	347°, 100%, 52%
XYZ	9.9229, 5.0937, 1.6294
YIQ	43.0730, 69.9590, 37.2150

Conversions

Conversions Part 2

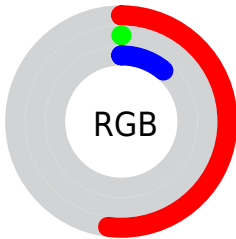
Format	Color
RYB	133, 0, 29
Decimal	8716317
CIELab	27.00, 50.09, 24.85
CIELCh	27, 55.916, 26.389
Yxy	5.0937, 0.5961, 0.3060
Android (android.graphics.Color)	4286906397 (0xFF85001D)
YUV	43.0730, -6.9380, 78.8660
Hunter-Lab	22.5692, 38.9841, 11.5180

Details

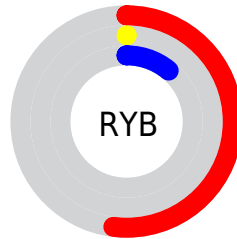
The CIELCh color **27, 55.916, 26.389** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **49, 38.893, 169.755**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 55.961, 25.992**, and **13, 38.520, 30.845** is the 20% darker color. If you saturate the color by 10%, you get **27, 56.000, 26.478**, and if you desaturate by 10%, it is **28, 51.861, 21.669**.

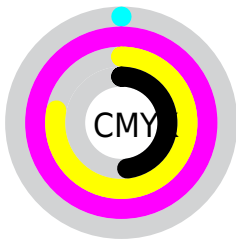
Distribution



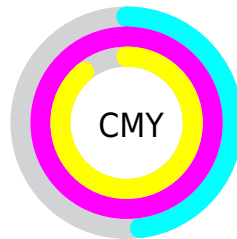
- Red (52%)
- Green (0%)
- Blue (11%)



- Red (52%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (48%)



- Cyan (48%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 55.916, 26.389 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, 55.916, 26.389 by changing the saturation by 10% instead.

■ 27, 55.916, 26.389

■ 27, 55.916, 26.389

■ 100, 55.916,
26.389

■ 17, 55.916, 26.389

■ 47, 55.916, 26.389

■ 7, 55.916, 26.389

■ 57, 55.916, 26.389

■ 0, 55.916, 26.389

■ 67, 55.916, 26.389

■ 77, 55.916, 26.389

■ 87, 55.916, 26.389

■ 97, 55.916, 26.389

■ 27, 55.916, 26.389

■ 27, 55.916, 26.389

27, 56.000, 26.478

28, 51.861, 21.669

29, 47.442, 17.263

31, 42.278, 13.660

34, 36.492, 10.781

37, 30.308, 8.488

40, 23.958, 6.644

44, 17.636, 5.137

48, 11.472, 3.878

52, 5.545, 2.787

Harmonies

Complementary

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



27, 55.916, 26.389



49, 38.893, 169.755

Rectangle

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



27, 55.916, 26.389



27, 55.916, 76.389



27, 55.916, 206.389



27, 55.916, 256.389

Sweetspot

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



27, 55.914, 26.391



56, 22.066, 5.258



25, 72.926, 319.771



27, 15.089, 5.772



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, 55.914, 26.391



36, 68.679, 27.864



30, 58.263, 46.397



26, 3.175, 2.717



26, 54.995, 26.336



0, 0.744, 1.958

Inverse Universe

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



27, 55.914, 26.391



36, 68.679, 27.864



39, 28.525, 248.132



26, 3.175, 2.717



26, 54.995, 26.336



0, 0.744, 1.958

Previews

White Background



This preview shows how the CIELCh color 27, 55.916, 26.389 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, 55.916, 26.389 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, 55.916, 26.389

Background



This preview shows how black text looks on a background with the CIELCh color 27, 55.916, 26.389.



This preview shows how white text looks on a background with the CIELCh color 27, 55.916, 26.389.

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, 55.916, 26.389

Protanopia

28, 14.369, 95.451

Deuteranopia

29, 29.580, 82.356



Tritanopia
27, 60.842, 38.877

Trichromacy



Original Color
27, 55.916, 26.389

Protanomaly
25, 27.014, 30.576

Deuteranomaly
25, 36.619, 43.316

Tritanomaly
27, 59.114, 35.308

Monochromacy



Original Color
27, 55.916, 26.389

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 24.772, 10.298

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 55.916, 26.389 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 55.916, 26.389 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, 29) }
```

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

```
.border{ border-color:rgb(133, 0, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 29);  
box-shadow:4px 4px 4px 4px rgb(133, 0, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 55.916, 26.389 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, 29) }
```

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

```
.background{ background-color: rgb(133, 0,  
29) }
```

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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