

Converting Colors

CIELCh(28, 52.768, 9.813)

Have a look what the booklet for
CIELCh(28, 52.768, 9.813) contains.

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Color

CIELCh(28, 52.707, 9.490)

Conversions

Conversions Part 1

Format	Color
Hex	870037
RGB	135, 0, 55
RGB Percent	53%, 0%, 22%
CMY	0.4697, 0.9983, 0.7836
CMYK	0.00, 1.00, 0.59, 0.47
HSL	336°, 99%, 27%
HSV	336°, 100%, 53%
XYZ	10.7285, 5.4574, 4.1251
YIQ	46.6350, 62.8050, 45.7250

Conversions

Conversions Part 2

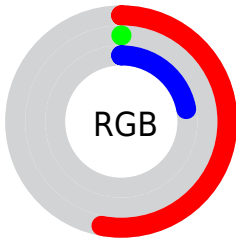
Format	Color
R_{YB}	135, 0, 55
Decimal	8847415
CIE Lab	28.00, 51.99, 8.69
CIE LCh	28, 52.707, 9.490
Yxy	5.4574, 0.5282, 0.2687
Android (android.graphics.Color)	4287037495 (0xFF870037)
YUV	46.6350, 4.1239, 77.4961
Hunter-Lab	23.3610, 41.0940, 5.8833

Details

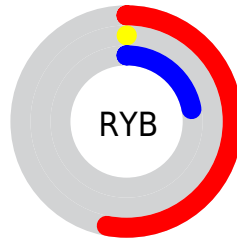
The CIELCh color **28, 52.707, 9.490** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **49, 49.459, 155.099**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 52.767, 9.877**, and **13, 38.163, 25.808** is the 20% darker color. If you saturate the color by 10%, you get **28, 52.782, 9.623**, and if you desaturate by 10%, it is **29, 50.499, 5.336**.

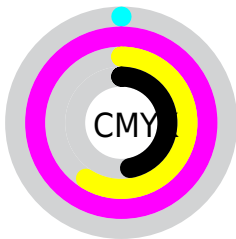
Distribution



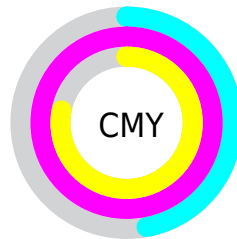
- Red (53%)
- Green (0%)
- Blue (22%)



- Red (53%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (47%)



- Cyan (47%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 52.707, 9.490 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 28, 52.707, 9.490 by changing the saturation by 10% instead.

 28, 52.707, 9.490  28, 52.707, 9.490

 100, 52.707, 9.490  18, 52.707, 9.490

 48, 52.707, 9.490  8, 52.707, 9.490

 58, 52.707, 9.490  0, 52.707, 9.490

 68, 52.707, 9.490

 78, 52.707, 9.490

 88, 52.707, 9.490

 98, 52.707, 9.490

 28, 52.707, 9.490  28, 52.707, 9.490

 28, 52.782, 9.623  29, 50.499, 5.336

■ 30, 47.517, 1.744

■ 33, 43.322,
358.891

■ 35, 38.097,
356.617

■ 38, 32.139,
354.774

■ 41, 25.746,
353.249

■ 45, 19.166,
351.957

■ 49, 12.578,
350.836

■ 53, 6.101, 349.832

Harmonies

Complementary

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



28, 52.707, 9.490



49, 49.459, 155.099

Rectangle

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



28, 52.707, 9.490



28, 52.707, 59.490



28, 52.707, 189.490



28, 52.707, 239.490

Sweetspot

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



28, 52.704, 9.492



58, 24.038, 352.076



22, 76.207, 314.249



28, 16.567, 352.534



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



28, 52.704, 9.492



37, 64.119, 10.874



28, 62.884, 40.249



27, 3.608, 349.782



27, 52.029, 9.518



0, 1.652, 349.037

Inverse Universe

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



28, 52.704, 9.492



37, 64.119, 10.874



47, 28.292, 210.454



27, 3.608, 349.782



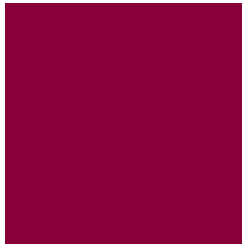
27, 52.029, 9.518



0, 1.652, 349.037

Previews

White Background



This preview shows how the CIELCh color 28, 52.707, 9.490 looks on a white background.

Color Contrast Check

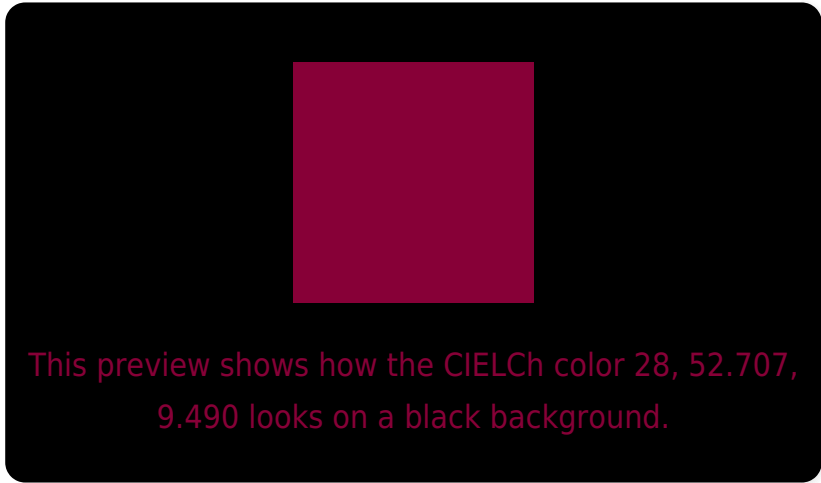
Large Text (above 18pt) WCAG AA ✓ Pass

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 28, 52.707, 9.490

Background



This preview shows how black text looks on a background with the CIELCh color 28, 52.707, 9.490.



This preview shows how white text looks on a background with the CIELCh color 28, 52.707, 9.490.

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

28, 52.707, 9.490

Protanopia

30, 7.070, 288.143

Deuteranopia

30, 14.084, 73.736



Tritanopia
29, 55.519, 34.710

Trichromacy



Original Color
28, 52.707, 9.490

Protanomaly
25, 26.597, 345.087

Deuteranomaly
26, 28.507, 16.118

Tritanomaly
28, 53.532, 26.188

Monochromacy



Original Color
28, 52.707, 9.490

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 25.516, 356.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 52.707, 9.490 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(135, 0, 55)` looks like.

```
.text, #text, p{  
    color:rgb(135, 0, 55)  
}
```

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(135, 0, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 52.707, 9.490 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(135, 0, 55) }
```

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

```
.border{ border-color:rgb(135, 0, 55) }
```

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

Here you see how a box with a 4 pixel rgb(135, 0, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 55);  
box-shadow:4px 4px 4px 4px rgb(135, 0, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 52.707, 9.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 55) }
```

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

```
.background{ background-color: rgb(135, 0,  
55) }
```

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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