

Converting Colors

CIELCh(28, 55.070, 19.723)

Have a look what the booklet for
CIELCh(28, 55.070, 19.723) contains.

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Color

CIELCh(28, 54.846, 19.644)

Conversions

Conversions Part 1

Format	Color
Hex	890029
RGB	137, 0, 41
RGB Percent	54%, 0%, 16%
CMY	0.4634, 1.0000, 0.8397
CMYK	0.00, 1.00, 0.70, 0.46
HSL	342°, 100%, 27%
HSV	342°, 100%, 54%
XYZ	10.6844, 5.4574, 2.5772
YIQ	45.6370, 68.4910, 41.7950

Conversions

Conversions Part 2

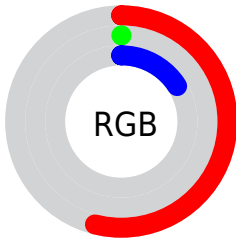
Format	Color
R_{YB}	137, 0, 41
Decimal	8978473
CIE _{Lab}	28.00, 51.65, 18.44
CIE _{LCh}	28, 54.846, 19.644
Yxy	5.4574, 0.5708, 0.2915
Android (android.graphics.Color)	4287168553 (0xFF890029)
YUV	45.6370, -2.2860, 80.1254
Hunter-Lab	23.3610, 40.7568, 9.8117

Details

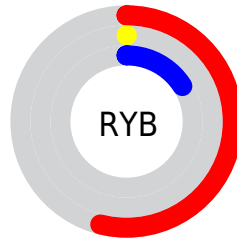
The CIELCh color **28, 54.846, 19.644** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **50, 43.998, 162.533**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 54.898, 19.656**, and **14, 40.336, 31.871** is the 20% darker color. If you saturate the color by 10%, you get **28, 54.807, 19.682**, and if you desaturate by 10%, it is **29, 51.581, 14.956**.

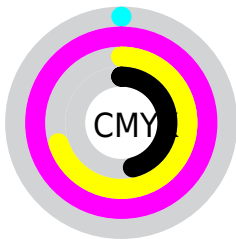
Distribution



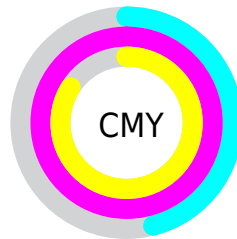
- Red (54%)
- Green (0%)
- Blue (16%)



- Red (54%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (46%)



- Cyan (46%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 54.846, 19.644 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, 54.846, 19.644 by changing the saturation by 10% instead.

 28, 54.846, 19.644

 28, 54.846, 19.644

 100, 54.846,
19.644

 18, 54.846, 19.644

 48, 54.846, 19.644

 8, 54.846, 19.644

 58, 54.846, 19.644

 0, 54.846, 19.644

 68, 54.846, 19.644

 78, 54.846, 19.644

 88, 54.846, 19.644

 98, 54.846, 19.644

 28, 54.846, 19.644

 28, 54.846, 19.644

■ 28, 54.807, 19.682

■ 29, 51.581, 14.956

■ 30, 47.852, 10.716

■ 33, 43.156, 7.310

■ 35, 37.630, 4.604

■ 38, 31.529, 2.439

■ 42, 25.124, 0.682

■ 45, 18.638,
359.225

■ 49, 12.230,
357.990

■ 53, 6.001, 356.907

Harmonies

Complementary

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



28, 54.846, 19.644



50, 43.998, 162.533

Rectangle

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



28, 54.846, 19.644



28, 54.846, 69.644



28, 54.846, 199.644



28, 54.846, 249.644

Sweetspot

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



28, 54.807, 19.682



58, 23.177, 359.315



25, 75.286, 317.594



28, 15.822, 359.820



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, 54.807, 19.682



37, 67.079, 21.066



30, 61.422, 43.615



27, 3.398, 356.819



27, 53.526, 19.495



0, 1.549, 356.041

Inverse Universe

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



28, 54.807, 19.682



37, 67.079, 21.066



43, 27.598, 234.513



27, 3.398, 356.819



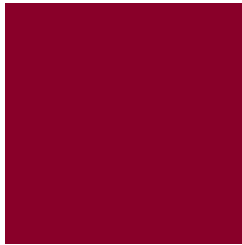
27, 53.526, 19.495



0, 1.549, 356.041

Previews

White Background



This preview shows how the CIE LCh color 28, 54.846, 19.644 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 28, 54.846, 19.644 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 28, 54.846, 19.644

Background



This preview shows how black text looks on a background with the CIELCh color 28, 54.846, 19.644.



This preview shows how white text looks on a background with the CIELCh color 28, 54.846, 19.644.

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, 54.846, 19.644

Protanopia

30, 5.904, 95.471

Deuteranopia

29, 22.976, 79.288



Tritanopia
29, 59.464, 37.256

Trichromacy



Original Color
28, 54.846, 19.644

Protanomaly
26, 24.701, 11.873

Deuteranomaly
26, 32.293, 31.855

Tritanomaly
28, 57.377, 31.721

Monochromacy



Original Color
28, 54.846, 19.644

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 25.268, 4.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 54.846, 19.644 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(137, 0, 41)` looks like.

```
.text, #text, p{  
    color:rgb(137, 0, 41)  
}
```

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(137, 0, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 0, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 54.846, 19.644 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(137, 0, 41) }
```

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

```
.border{ border-color:rgb(137, 0, 41) }
```

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

Here you see how a box with a 4 pixel rgb(137, 0, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(137, 0, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 54.846, 19.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 0, 41) }
```

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

```
.background{ background-color: rgb(137, 0,  
41) }
```

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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