

Converting Colors

CIELCh(28, 54.700, 20.806)

Have a look what the booklet for
CIELCh(28, 54.700, 20.806) contains.

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Color

CIELCh(28, 54.578, 20.987)

Conversions

Conversions Part 1

Format	Color
Hex	880227
RGB	136, 2, 39
RGB Percent	53%, 1%, 15%
CMY	0.4656, 0.9903, 0.8463
CMYK	0.00, 0.98, 0.71, 0.47
HSL	344°, 96%, 27%
HSV	344°, 98%, 53%
XYZ	10.5921, 5.4574, 2.4307
YIQ	46.2840, 67.9870, 39.9150

Conversions

Conversions Part 2

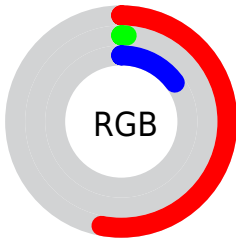
Format	Color
RYB	136, 2, 39
Decimal	8913447
CIELab	28.00, 50.96, 19.55
CIElCh	28, 54.578, 20.987
Yxy	5.4574, 0.5732, 0.2953
Android (android.graphics.Color)	4287103527 (0xFF880227)
YUV	46.2840, -3.5910, 78.6809
Hunter-Lab	23.3610, 40.0519, 10.1836

Details

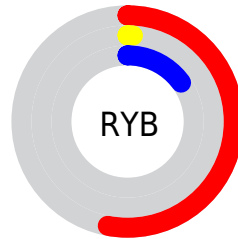
The CIELCh color **28, 54.578, 20.987** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **50, 42.157, 164.857**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 54.755, 20.709**, and **13, 39.883, 31.626** is the 20% darker color. If you saturate the color by 10%, you get **28, 55.246, 21.815**, and if you desaturate by 10%, it is **29, 51.116, 16.198**.

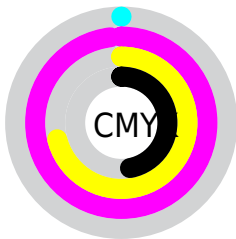
Distribution



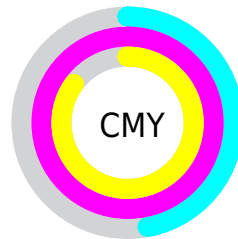
- Red (53%)
- Green (1%)
- Blue (15%)



- Red (53%)
- Yellow (1%)
- Blue (15%)



- Cyan (0%)
- Magenta (98%)
- Yellow (71%)
- Black (47%)



- Cyan (47%)
- Magenta (99%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 54.578, 20.987 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, 54.578, 20.987 by changing the saturation by 10% instead.

 28, 54.578, 20.987

 28, 54.578, 20.987

 100, 54.578,
20.987

 18, 54.578, 20.987

 48, 54.578, 20.987

 8, 54.578, 20.987

 58, 54.578, 20.987

 0, 54.578, 20.987

 68, 54.578, 20.987

 78, 54.578, 20.987

 88, 54.578, 20.987

 98, 54.578, 20.987

 28, 54.578, 20.987

 28, 54.578, 20.987

28, 55.246, 21.815

29, 51.116, 16.198

31, 47.018, 12.029

33, 42.030, 8.679

35, 36.309, 6.015

39, 30.109, 3.884

42, 23.688, 2.154

46, 17.247, 0.721

50, 10.929,
359.505

54, 4.819, 358.430

Harmonies

Complementary

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



28, 54.578, 20.987



50, 42.157, 164.857

Rectangle

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



28, 54.578, 20.987



28, 54.578, 70.987



28, 54.578, 200.987



28, 54.578, 250.987

Sweetspot

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



28, 54.576, 20.989



58, 21.916, 0.912



25, 74.219, 318.185



28, 15.239, 1.431



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, 54.576, 20.989



37, 67.163, 23.162



30, 59.780, 44.112



27, 3.358, 358.533



27, 54.117, 21.652



0, 1.530, 357.755

Inverse Universe

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



28, 54.576, 20.989



37, 67.163, 23.162



42, 27.579, 237.403



27, 3.358, 358.533



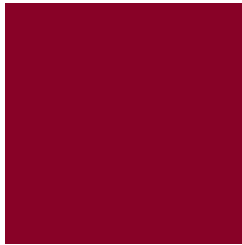
27, 54.117, 21.652



0, 1.530, 357.755

Previews

White Background



This preview shows how the CIE LCh color 28, 54.578, 20.987 looks on a white background.

Color Contrast Check

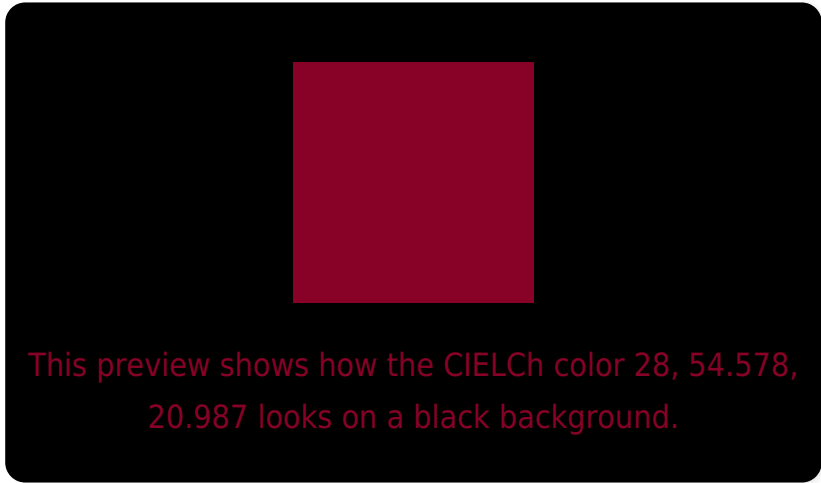
Large Text (above 18pt) WCAG AA ✓ Pass

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

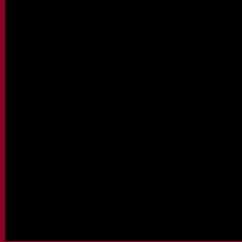
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 54.578, 20.987

Background



This preview shows how black text looks on a background with the CIELCh color 28, 54.578, 20.987.



This preview shows how white text looks on a background with the CIELCh color 28, 54.578, 20.987.

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, 54.578, 20.987

Protanopia

29, 7.276, 93.861

Deuteranopia

29, 24.067, 80.228



Tritanopia
28, 59.606, 37.074

Trichromacy



Original Color
28, 54.578, 20.987

Protanomaly
26, 24.805, 16.345

Deuteranomaly
26, 32.542, 34.785

Tritanomaly
28, 57.377, 31.721

Monochromacy



Original Color
28, 54.578, 20.987

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 24.203, 5.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 54.578, 20.987 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(136, 2, 39)` looks like.

```
.text, #text, p{  
    color:rgb(136, 2, 39)  
}
```

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(136, 2, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 2, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 54.578, 20.987 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(136, 2, 39) }
```

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

```
.border{ border-color:rgb(136, 2, 39) }
```

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

Here you see how a box with a 4 pixel rgb(136, 2, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 2, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 2, 39);  
box-shadow:4px 4px 4px 4px rgb(136, 2, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 54.578, 20.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 2, 39) }
```

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

```
.background{ background-color: rgb(136, 2,  
39) }
```

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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