

Converting Colors

CIELCh(28, 53.732, 12.578)

Have a look what the booklet for
CIELCh(28, 53.732, 12.578) contains.

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Color

CIELCh(28, 53.252, 12.598)

Conversions

Conversions Part 1

Format	Color
Hex	880033
RGB	136, 0, 51
RGB Percent	53%, 0%, 20%
CMY	0.4672, 1.0000, 0.8004
CMYK	0.00, 1.00, 0.63, 0.47
HSL	338°, 100%, 27%
HSV	338°, 100%, 53%
XYZ	10.7264, 5.4574, 3.6094
YIQ	46.4780, 64.6850, 44.6930

Conversions

Conversions Part 2

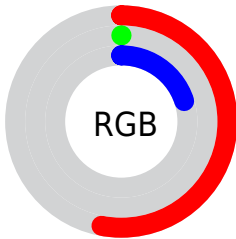
Format	Color
RYB	136, 0, 51
Decimal	8912947
CIELab	28.00, 51.97, 11.61
CIElCh	28, 53.252, 12.598
Yxy	5.4574, 0.5419, 0.2757
Android (android.graphics.Color)	4287103027 (0xFF880033)
YUV	46.4780, 2.2293, 78.5108
Hunter-Lab	23.3610, 41.0780, 7.1921

Details

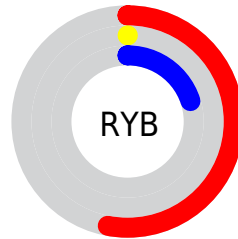
The CIELCh color **28, 53.252, 12.598** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **50, 47.960, 157.042**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 53.228, 12.597**, and **14, 39.495, 29.330** is the 20% darker color. If you saturate the color by 10%, you get **28, 53.220, 12.624**, and if you desaturate by 10%, it is **29, 50.747, 8.251**.

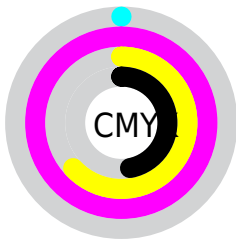
Distribution



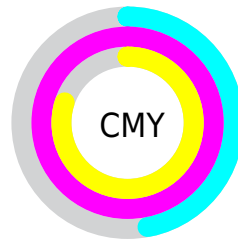
- Red (53%)
- Green (0%)
- Blue (20%)



- Red (53%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (47%)



- Cyan (47%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 53.252, 12.598 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, 53.252, 12.598 by changing the saturation by 10% instead.

■ 28, 53.252, 12.598

■ 28, 53.252, 12.598

■ 100, 53.252,
12.598

■ 18, 53.252, 12.598

■ 48, 53.252, 12.598

■ 8, 53.252, 12.598

■ 58, 53.252, 12.598

■ 0, 53.252, 12.598

■ 68, 53.252, 12.598

■ 78, 53.252, 12.598

■ 88, 53.252, 12.598

■ 98, 53.252, 12.598

■ 28, 53.252, 12.598

■ 28, 53.252, 12.598

■ 28, 53.220, 12.624

■ 29, 50.747, 8.251

■ 30, 47.606, 4.419

■ 33, 43.317, 1.371

■ 35, 38.044,
358.946

■ 38, 32.072,
356.993

■ 41, 25.693,
355.386

■ 45, 19.150,
354.035

■ 49, 12.620,
352.872

■ 53, 6.215, 351.838

Harmonies

Complementary

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



28, 53.252, 12.598



50, 47.960, 157.042

Rectangle

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



28, 53.252, 12.598



28, 53.252, 62.598



28, 53.252, 192.598



28, 53.252, 242.598

Sweetspot

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



28, 53.220, 12.624



57, 23.665, 354.117



22, 76.093, 315.141



28, 16.319, 354.592



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, 53.220, 12.624



37, 64.523, 13.906



28, 62.766, 41.062



27, 3.541, 351.754



27, 52.272, 12.488



0, 1.619, 350.995

Inverse Universe

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



28, 53.220, 12.624



37, 64.523, 13.906



46, 27.693, 216.999



27, 3.541, 351.754



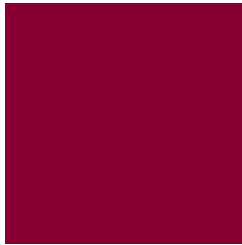
27, 52.272, 12.488



0, 1.619, 350.995

Previews

White Background



This preview shows how the CIELCh color 28, 53.252, 12.598 looks on a white background.

Color Contrast Check

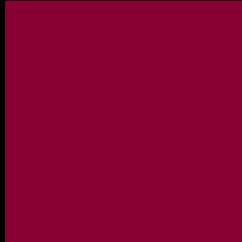
Large Text (above 18pt) WCAG AA ✓ Pass

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, 53.252, 12.598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

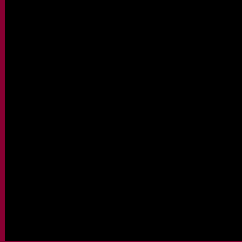
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 53.252, 12.598

Background



This preview shows how black text looks on a background with the CIELCh color 28, 53.252, 12.598.



This preview shows how white text looks on a background with the CIELCh color 28, 53.252, 12.598.

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, 53.252, 12.598

Protanopia

30, 3.886, 297.241

Deuteranopia

30, 16.571, 76.432



Tritanopia
29, 56.865, 35.261

Trichromacy



Original Color
28, 53.252, 12.598

Protanomaly
25, 25.859, 352.744

Deuteranomaly
26, 29.391, 21.387

Tritanomaly
28, 54.561, 27.407

Monochromacy



Original Color
28, 53.252, 12.598

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 25.741, 358.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 53.252, 12.598 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, 0, 51)` looks like.

```
.text, #text, p{  
    color:rgb(136, 0, 51)  
}
```

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, 0, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 0, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 53.252, 12.598 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, 0, 51) }
```

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

```
.border{ border-color:rgb(136, 0, 51) }
```

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

Here you see how a box with a 4 pixel rgb(136, 0, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(136, 0, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 53.252, 12.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 0, 51) }
```

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

```
.background{ background-color: rgb(136, 0,  
51) }
```

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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