

Converting Colors

CIELCh(16, 88.560, 2.889)

Have a look what the booklet for
CIELCh(16, 88.560, 2.889) contains.

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Color

CIELCh(28, 55.033, 21.365)

Conversions

Conversions Part 1

Format	Color
Hex	890126
RGB	137, 1, 38
RGB Percent	54%, 0%, 15%
CMY	0.4641, 0.9955, 0.8492
CMYK	0.00, 0.99, 0.72, 0.46
HSL	343°, 98%, 27%
HSV	343°, 99%, 54%
XYZ	10.6310, 5.4574, 2.3663
YIQ	45.8820, 69.1790, 40.3390

Conversions

Conversions Part 2

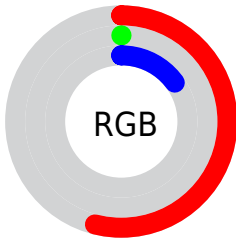
Format	Color
RYB	137, 1, 38
Decimal	8978726
CIELab	28.00, 51.25, 20.05
CIElCh	28, 55.033, 21.365
Yxy	5.4574, 0.5761, 0.2957
Android (android.graphics.Color)	4287168806 (0xFF890126)
YUV	45.8820, -3.8858, 79.9105
Hunter-Lab	23.3610, 40.3486, 10.3470

Details

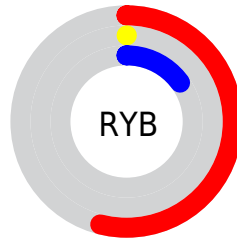
The CIELCh color **28, 55.033, 21.365** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **50, 42.515, 164.591**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 55.441, 22.006**, and **14, 40.336, 31.871** is the 20% darker color. If you saturate the color by 10%, you get **28, 55.342, 21.747**, and if you desaturate by 10%, it is **29, 51.571, 16.579**.

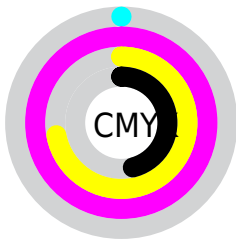
Distribution



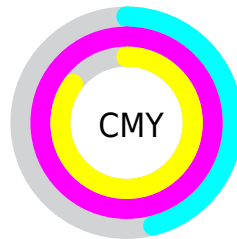
- Red (54%)
- Green (0%)
- Blue (15%)



- Red (54%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (99%)
- Yellow (72%)
- Black (46%)



- Cyan (46%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 55.033, 21.365 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, 55.033, 21.365 by changing the saturation by 10% instead.

■ 28, 55.033, 21.365

■ 28, 55.033, 21.365

■ 100, 55.033,
21.365

■ 18, 55.033, 21.365

■ 48, 55.033, 21.365

■ 8, 55.033, 21.365

■ 58, 55.033, 21.365

■ 0, 55.033, 21.365

■ 68, 55.033, 21.365

■ 78, 55.033, 21.365

■ 88, 55.033, 21.365

■ 98, 55.033, 21.365

■ 28, 55.033, 21.365

■ 28, 55.033, 21.365

28, 55.342, 21.747

29, 51.571, 16.579

31, 47.563, 12.326

33, 42.653, 8.901

35, 36.985, 6.178

38, 30.808, 4.002

42, 24.384, 2.239

45, 17.922, 0.780

49, 11.571,
359.547

53, 5.420, 358.464

Harmonies

Complementary

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



28, 55.033, 21.365



50, 42.515, 164.591

Rectangle

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



28, 55.033, 21.365



28, 55.033, 71.365



28, 55.033, 201.365



28, 55.033, 251.365

Sweetspot

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



28, 55.031, 21.367



58, 22.984, 0.984



25, 74.710, 318.147



28, 15.699, 1.498



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, 55.031, 21.367



37, 67.876, 23.143



30, 60.481, 44.184



27, 3.360, 358.464



27, 54.092, 21.566



0, 1.530, 357.685

Inverse Universe

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



28, 55.031, 21.367



37, 67.876, 23.143



42, 27.732, 237.757



27, 3.360, 358.464



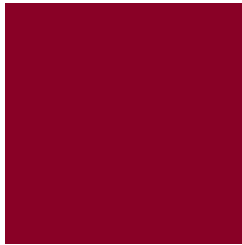
27, 54.092, 21.566



0, 1.530, 357.685

Previews

White Background



This preview shows how the CIELCh color 28, 55.033, 21.365 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, 55.033, 21.365 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, 55.033, 21.365

Background



This preview shows how black text looks on a background with the CIELCh color 28, 55.033, 21.365.



This preview shows how white text looks on a background with the CIELCh color 28, 55.033, 21.365.

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, 55.262, 21.720

Protanopia

29, 8.024, 91.575

Deuteranopia

29, 24.609, 80.656



Tritanopia
28, 59.870, 37.438

Trichromacy



Original Color
28, 55.262, 21.720

Protanomaly
25, 25.809, 17.014

Deuteranomaly
26, 33.139, 34.830

Tritanomaly
28, 57.663, 32.234

Monochromacy



Original Color
28, 55.262, 21.720

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 24.677, 6.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 55.033, 21.365 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, 1, 38)` looks like.

```
.text, #text, p{  
    color:rgb(137, 1, 38)  
}
```

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, 1, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 1, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 55.033, 21.365 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, 1, 38) }
```

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

```
.border{ border-color:rgb(137, 1, 38) }
```

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

Here you see how a box with a 4 pixel rgb(137, 1, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 1, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 1, 38);  
box-shadow:4px 4px 4px 4px rgb(137, 1, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 55.033, 21.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 1, 38) }
```

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

```
.background{ background-color: rgb(137, 1,  
38) }
```

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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