

Converting Colors

CIELCh(28, 55.808, 22.259)

Have a look what the booklet for
CIELCh(28, 55.808, 22.259) contains.

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Color

CIELCh(28, 55.591, 22.223)

Conversions

Conversions Part 1

Format	Color
Hex	890025
RGB	137, 0, 37
RGB Percent	54%, 0%, 15%
CMY	0.4626, 0.9996, 0.8548
CMYK	0.00, 1.00, 0.73, 0.46
HSL	344°, 100%, 27%
HSV	344°, 100%, 54%
XYZ	10.6589, 5.4574, 2.2443
YIQ	45.1810, 69.7750, 40.5510

Conversions

Conversions Part 2

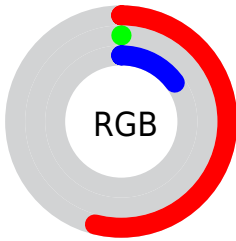
Format	Color
RYB	137, 0, 37
Decimal	8978469
CIELab	28.00, 51.46, 21.03
CIELCh	28, 55.591, 22.223
Yxy	5.4574, 0.5805, 0.2972
Android (android.graphics.Color)	4287168549 (0xFF890025)
YUV	45.1810, -4.0332, 80.5253
Hunter-Lab	23.3610, 40.5618, 10.6566

Details

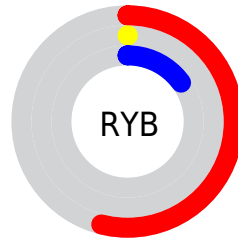
The CIELCh color **28, 55.591, 22.223** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **50, 42.475, 164.920**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 55.594, 22.585**, and **14, 40.336, 31.871** is the 20% darker color. If you saturate the color by 10%, you get **28, 55.613, 22.255**, and if you desaturate by 10%, it is **29, 52.049, 17.439**.

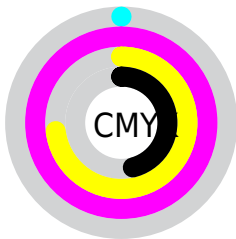
Distribution



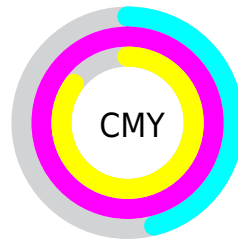
- Red (54%)
- Green (0%)
- Blue (15%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (46%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 55.591, 22.223 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, 55.591, 22.223 by changing the saturation by 10% instead.

 28, 55.591, 22.223

 28, 55.591, 22.223

 100, 55.591,
22.223

 18, 55.591, 22.223

 48, 55.591, 22.223

 8, 55.591, 22.223

 58, 55.591, 22.223

 0, 55.591, 22.223

 68, 55.591, 22.223

 78, 55.591, 22.223

 88, 55.591, 22.223

 98, 55.591, 22.223

 28, 55.591, 22.223

 28, 55.591, 22.223

28, 55.613, 22.255

29, 52.049, 17.439

30, 48.053, 13.099

33, 43.164, 9.593

35, 37.510, 6.803

38, 31.337, 4.577

42, 24.904, 2.777

45, 18.426, 1.292

49, 12.056, 0.041

53, 5.886, 358.948

Harmonies

Complementary

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



28, 55.591, 22.223



50, 42.475, 164.920

Rectangle

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



28, 55.591, 22.223



28, 55.591, 72.223



28, 55.591, 202.223



28, 55.591, 252.223

Sweetspot

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



28, 55.589, 22.225



58, 22.940, 1.392



25, 75.127, 318.118



28, 15.672, 1.907



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, 55.589, 22.225



37, 68.082, 23.635



30, 61.058, 44.247



27, 3.351, 358.866



27, 54.240, 22.058



0, 1.526, 358.088

Inverse Universe

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



28, 55.589, 22.225



37, 68.082, 23.635



42, 27.865, 238.038



27, 3.351, 358.866



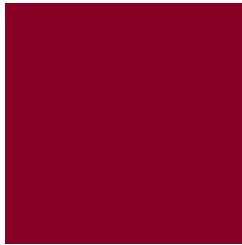
27, 54.240, 22.058



0, 1.526, 358.088

Previews

White Background



This preview shows how the CIELCh color 28, 55.591, 22.223 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

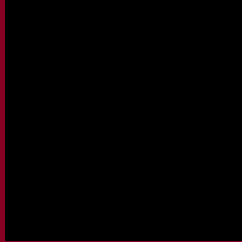
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 55.591, 22.223

Background



This preview shows how black text looks on a background with the CIELCh color 28, 55.591, 22.223.



This preview shows how white text looks on a background with the CIELCh color 28, 55.591, 22.223.

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, 55.591, 22.223

Protanopia

30, 9.741, 97.073

Deuteranopia

29, 25.148, 81.057



Tritanopia
29, 60.654, 37.641

Trichromacy



Original Color
28, 55.591, 22.223

Protanomaly
26, 25.561, 20.944

Deuteranomaly
26, 33.928, 35.723

Tritanomaly
28, 58.745, 33.175

Monochromacy



Original Color
28, 55.591, 22.223

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 24.721, 6.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 55.591, 22.223 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, 37)` looks like.

```
.text, #text, p{  
    color:rgb(137, 0, 37)  
}
```

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, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 0, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 55.591, 22.223 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, 37) }
```

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

```
.border{ border-color:rgb(137, 0, 37) }
```

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, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 0, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 0, 37);  
box-shadow:4px 4px 4px 4px rgb(137, 0, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 55.591, 22.223 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, 37) }
```

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

```
.background{ background-color: rgb(137, 0,  
37) }
```

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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