

Converting Colors

CIELCh(29, 56.028, 25.907)

Have a look what the booklet for
CIELCh(29, 56.028, 25.907) contains.

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Color

CIELCh(29, 55.882, 25.661)

Conversions

Conversions Part 1

Format	Color
Hex	8B0A22
RGB	139, 10, 34
RGB Percent	55%, 4%, 13%
CMY	0.4538, 0.9625, 0.8659
CMYK	0.00, 0.93, 0.75, 0.45
HSL	349°, 87%, 29%
HSV	349°, 93%, 55%
XYZ	11.0915, 5.8380, 2.0710
YIQ	51.3070, 69.1800, 34.8120

Conversions

Conversions Part 2

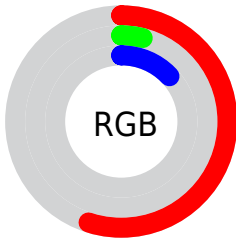
Format	Color
RYB	139, 10, 34
Decimal	9112098
CIELab	29.00, 50.37, 24.20
CIElCh	29, 55.882, 25.661
Yxy	5.8380, 0.5837, 0.3073
Android (android.graphics.Color)	4287302178 (0xFF8B0A22)
YUV	51.3070, -8.5324, 76.9068
Hunter-Lab	24.1619, 39.6568, 11.8315

Details

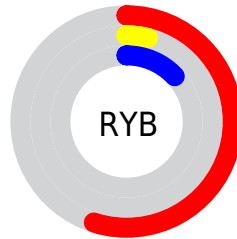
The CIELCh color **29, 55.882, 25.661** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **52, 37.815, 173.429**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 55.699, 26.010**, and **14, 41.240, 32.339** is the 20% darker color. If you saturate the color by 10%, you get **28, 58.952, 28.833**, and if you desaturate by 10%, it is **30, 51.292, 20.966**.

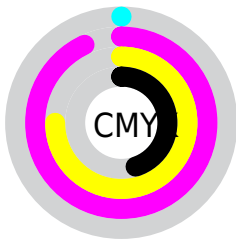
Distribution



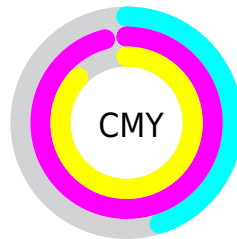
- Red (55%)
- Green (4%)
- Blue (13%)



- Red (55%)
- Yellow (4%)
- Blue (13%)



- Cyan (0%)
- Magenta (93%)
- Yellow (75%)
- Black (45%)



- Cyan (45%)
- Magenta (96%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 55.882, 25.661 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 29, 55.882, 25.661 by changing the saturation by 10% instead.

■ 29, 55.882, 25.661

■ 29, 55.882, 25.661

■ 100, 55.882,
25.661

■ 19, 55.882, 25.661

■ 49, 55.882, 25.661

■ 9, 55.882, 25.661

■ 59, 55.882, 25.661

■ 0, 55.882, 25.661

■ 69, 55.882, 25.661

■ 79, 55.882, 25.661

■ 89, 55.882, 25.661

■ 99, 55.882, 25.661

■ 29, 55.882, 25.661

■ 29, 55.882, 25.661

28, 58.952, 28.833

30, 51.292, 20.966

32, 45.977, 17.022

35, 40.012, 13.842

38, 33.601, 11.312

41, 26.983, 9.295

45, 20.369, 7.665

49, 13.912, 6.323

53, 7.704, 5.187

57, 1.792, 4.074

Harmonies

Complementary

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



29, 55.882, 25.661



52, 37.815, 173.429

Rectangle

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



29, 55.882, 25.661



29, 55.882, 75.661



29, 55.882, 205.661



29, 55.882, 255.661

Sweetspot

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



29, 55.880, 25.663



60, 21.119, 7.026



28, 73.065, 321.081



29, 14.815, 7.567



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29, 55.880, 25.663



38, 72.282, 30.114



33, 55.486, 48.178



27, 3.245, 4.769



27, 56.751, 28.553



0, 1.472, 4.019

Inverse Universe

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



29, 55.880, 25.663



38, 72.282, 30.114



40, 29.686, 251.815



27, 3.245, 4.769



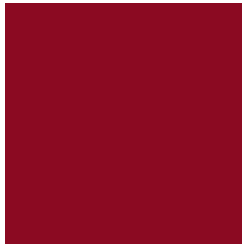
27, 56.751, 28.553



0, 1.472, 4.019

Previews

White Background



This preview shows how the CIE LCh color 29, 55.882, 25.661 looks on a white background.

Color Contrast Check

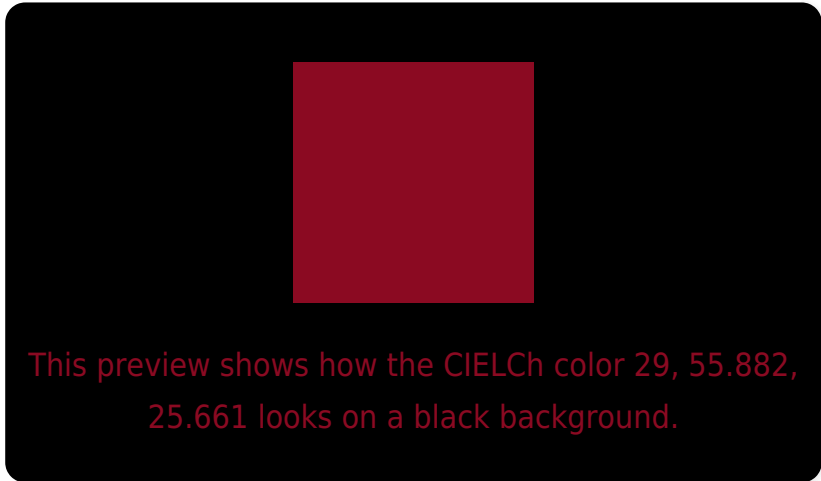
Large Text (above 18pt) WCAG AA ✓ Pass

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

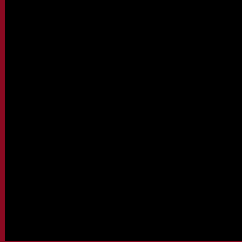
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 55.882, 25.661

Background



This preview shows how black text looks on a background with the CIELCh color 29, 55.882, 25.661.



This preview shows how white text looks on a background with the CIELCh color 29, 55.882, 25.661.

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

29, 55.765, 25.793

Protanopia

30, 12.909, 96.946

Deuteranopia

30, 28.210, 80.895



Tritanopia
29, 60.795, 37.181

Trichromacy



Original Color
29, 55.765, 25.793

Protanomaly
27, 25.492, 30.121

Deuteranomaly
27, 35.166, 42.518

Tritanomaly
29, 58.772, 33.446

Monochromacy



Original Color
29, 55.765, 25.793

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 23.385, 11.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 55.882, 25.661 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(139, 10, 34)` looks like.

```
.text, #text, p{  
    color:rgb(139, 10, 34)  
}
```

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(139, 10, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 10, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 55.882, 25.661 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(139, 10, 34) }
```

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

```
.border{ border-color:rgb(139, 10, 34) }
```

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

Here you see how a box with a 4 pixel rgb(139, 10, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 10, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 10, 34);  
box-shadow:4px 4px 4px 4px rgb(139, 10,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 55.882, 25.661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 10, 34) }
```

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

```
.background{ background-color: rgb(139, 10,  
34) }
```

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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