

Converting Colors

CIELCh(29, 42.710, 13.117)

Have a look what the booklet for
CIELCh(29, 42.710, 13.117) contains.

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Color

CIELCh(29, 42.750, 13.607)

Conversions

Conversions Part 1

Format	Color
Hex	7F2137
RGB	127, 33, 55
RGB Percent	50%, 13%, 22%
CMY	0.5030, 0.8716, 0.7851
CMYK	0.00, 0.74, 0.57, 0.50
HSL	346°, 59%, 31%
HSV	346°, 74%, 50%
XYZ	9.9332, 5.8380, 4.1912
YIQ	63.6140, 48.9620, 26.7700

Conversions

Conversions Part 2

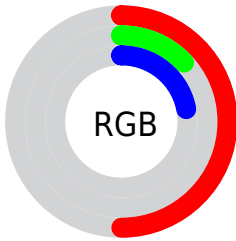
Format	Color
R_{YB}	127, 33, 55
Decimal	8331575
CIE Lab	29.00, 41.55, 10.06
CIE LCh	29, 42.750, 13.607
Yxy	5.8380, 0.4976, 0.2925
Android (android.graphics.Color)	4286521655 (0xFF7F2137)
YUV	63.6140, -4.2467, 55.5895
Hunter-Lab	24.1619, 31.0994, 6.6288

Details

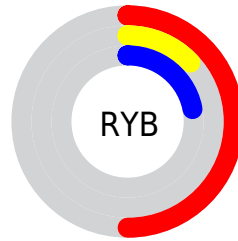
The CIELCh color **29, 42.750, 13.607** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **48, 32.719, 172.494**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 42.787, 13.140**, and **12, 35.487, 23.022** is the 20% darker color. If you saturate the color by 10%, you get **27, 47.291, 17.477**, and if you desaturate by 10%, it is **31, 37.508, 10.504**.

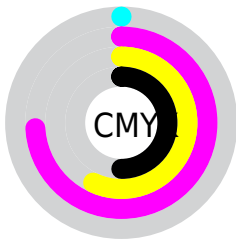
Distribution



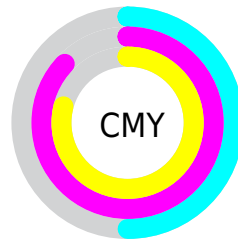
- Red (50%)
- Green (13%)
- Blue (22%)



- Red (50%)
- Yellow (13%)
- Blue (22%)



- Cyan (0%)
- Magenta (74%)
- Yellow (57%)
- Black (50%)



- Cyan (50%)
- Magenta (87%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 42.750, 13.607 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, 42.750, 13.607 by changing the saturation by 10% instead.

■ 29, 42.750, 13.607

■ 29, 42.750, 13.607

■ 100, 42.750,
13.607

■ 19, 42.750, 13.607

■ 49, 42.750, 13.607

■ 9, 42.750, 13.607

■ 59, 42.750, 13.607

■ 0, 42.750, 13.607

■ 69, 42.750, 13.607

■ 79, 42.750, 13.607

■ 89, 42.750, 13.607

■ 99, 42.750, 13.607

■ 29, 42.750, 13.607

■ 29, 42.750, 13.607

27, 47.291, 17.477

31, 37.508, 10.504

26, 51.111, 22.120

34, 31.761, 8.029

26, 53.379, 24.750

37, 25.738, 6.044

40, 19.649, 4.427

44, 13.646, 3.083

48, 7.829, 1.937

51, 2.251, 0.858

55, 3.066, 180.292

59, 8.119, 179.477

Harmonies

Complementary

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



29, 42.750, 13.607



48, 32.719, 172.494

Rectangle

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



29, 42.750, 13.607



29, 42.750, 63.607



29, 42.750, 193.607



29, 42.750, 243.607

Sweetspot

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



29, 42.748, 13.609



58, 15.419, 2.884



28, 59.845, 319.797



29, 10.489, 3.156



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



29, 42.748, 13.609



36, 60.823, 20.655



33, 40.741, 44.980



25, 3.094, 1.404



26, 53.626, 24.788



0, 0.000, 0.000

Inverse Universe

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



29, 42.748, 13.609



36, 60.823, 20.655



41, 23.519, 235.440



25, 3.094, 1.404



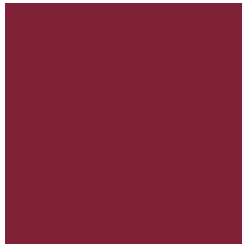
26, 53.626, 24.788



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 29, 42.750, 13.607 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 29, 42.750, 13.607 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 29, 42.750, 13.607

Background



This preview shows how black text looks on a background with the CIELCh color 29, 42.750, 13.607.



This preview shows how white text looks on a background with the CIELCh color 29, 42.750, 13.607.

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, 42.750, 13.607

Protanopia

30, 2.614, 300.212

Deuteranopia

30, 13.545, 72.448



Tritanopia
29, 44.132, 28.532

Trichromacy



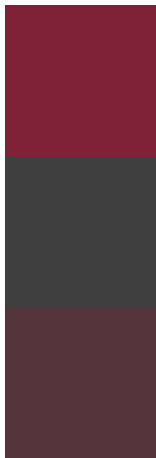
Original Color
29, 42.750, 13.607

Protanomaly
28, 17.150, 1.115

Deuteranomaly
28, 21.855, 28.422

Tritanomaly
29, 43.118, 23.391

Monochromacy



Original Color
29, 42.750, 13.607

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 16.612, 4.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 42.750, 13.607 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(127, 33, 55)` looks like.

```
.text, #text, p{  
    color:rgb(127, 33, 55)  
}
```

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(127, 33, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 33, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 42.750, 13.607 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(127, 33, 55) }
```

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

```
.border{ border-color:rgb(127, 33, 55) }
```

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

Here you see how a box with a 4 pixel rgb(127, 33, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 33, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 33, 55);  
box-shadow:4px 4px 4px 4px rgb(127, 33,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 42.750, 13.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 33, 55) }
```

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

```
.background{ background-color: rgb(127, 33,  
55) }
```

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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