

Converting Colors

CIELCh(27, 42.896, 12.920)

Have a look what the booklet for
CIELCh(27, 42.896, 12.920) contains.

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Color

CIELCh(27, 42.664, 13.065)

Conversions

Conversions Part 1

Format	Color
Hex	791B33
RGB	121, 27, 51
RGB Percent	47%, 11%, 20%
CMY	0.5253, 0.8939, 0.7999
CMYK	0.00, 0.78, 0.58, 0.53
HSL	345°, 63%, 29%
HSV	345°, 78%, 47%
XYZ	8.8830, 5.0937, 3.6510
YIQ	57.8420, 48.3200, 27.3920

Conversions

Conversions Part 2

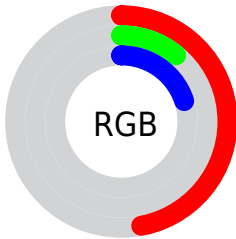
Format	Color
RYB	121, 27, 51
Decimal	7936819
CIELab	27.00, 41.56, 9.64
CIElCh	27, 42.664, 13.065
Yxy	5.0937, 0.5039, 0.2890
Android (android.graphics.Color)	4286126899 (0xFF791B33)
YUV	57.8420, -3.3731, 55.3896
Hunter-Lab	22.5692, 30.7594, 6.2070

Details

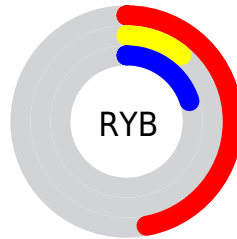
The CIELCh color **27, 42.664, 13.065** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **45, 33.165, 170.310**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 42.643, 13.280**, and **11, 34.188, 25.361** is the 20% darker color. If you saturate the color by 10%, you get **25, 46.649, 17.120**, and if you desaturate by 10%, it is **29, 37.928, 9.801**.

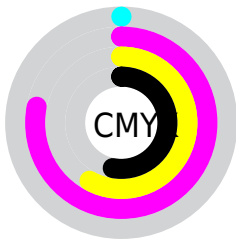
Distribution



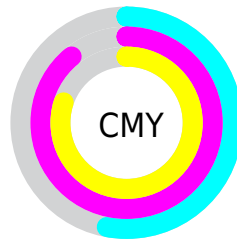
- Red (47%)
- Green (11%)
- Blue (20%)



- Red (47%)
- Yellow (11%)
- Blue (20%)



- Cyan (0%)
- Magenta (78%)
- Yellow (58%)
- Black (53%)



- Cyan (53%)
- Magenta (89%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 42.664, 13.065 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 27, 42.664, 13.065 by changing the saturation by 10% instead.

■ 27, 42.664, 13.065

■ 27, 42.664, 13.065

■ 100, 42.664,
13.065

■ 17, 42.664, 13.065

■ 47, 42.664, 13.065

■ 7, 42.664, 13.065

■ 57, 42.664, 13.065

■ 0, 42.664, 13.065

■ 67, 42.664, 13.065

■ 77, 42.664, 13.065

■ 87, 42.664, 13.065

■ 97, 42.664, 13.065

■ 27, 42.664, 13.065

■ 27, 42.664, 13.065

25, 46.649, 17.120

29, 37.928, 9.801

24, 50.118, 21.726

32, 32.602, 7.196

24, 50.993, 22.735

34, 26.907, 5.108

38, 21.060, 3.410

41, 15.232, 2.002

44, 9.537, 0.808

48, 4.046, 359.747

52, 1.211, 179.231

55, 6.221, 178.227

Harmonies

Complementary

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



27, 42.664, 13.065



45, 33.165, 170.310

Rectangle

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



27, 42.664, 13.065



27, 42.664, 63.065



27, 42.664, 193.065



27, 42.664, 243.065

Sweetspot

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



27, 42.662, 13.067



55, 15.649, 1.494



26, 59.666, 319.280



27, 10.831, 1.860



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



27, 42.662, 13.067



33, 59.729, 20.781



30, 41.772, 43.967



24, 3.016, 359.896



25, 52.233, 22.941



53, 89.881, 26.238

Inverse Universe

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



27, 42.662, 13.067



33, 59.729, 20.781



39, 23.147, 233.405



24, 3.016, 359.896



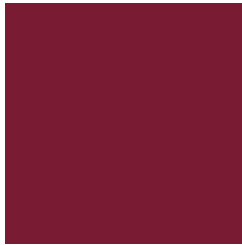
25, 52.233, 22.941



53, 89.881, 26.238

Previews

White Background



This preview shows how the CIELCh color 27, 42.664, 13.065 looks on a white background.

Color Contrast Check

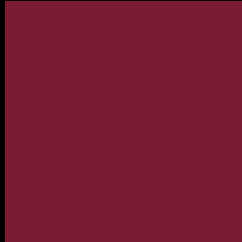
Large Text (above 18pt) WCAG AA ✓ Pass

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 27, 42.664, 13.065 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 27, 42.664, 13.065

Background



This preview shows how black text looks on a background with the CIELCh color 27, 42.664, 13.065.



This preview shows how white text looks on a background with the CIELCh color 27, 42.664, 13.065.

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

27, 42.664, 13.065

Protanopia

28, 2.640, 300.227

Deuteranopia

28, 13.401, 73.957



Tritanopia
27, 44.368, 30.016

Trichromacy



Original Color
27, 42.664, 13.065

Protanomaly
26, 17.512, 359.354

Deuteranomaly
26, 22.024, 27.130

Tritanomaly
27, 42.989, 24.144

Monochromacy



Original Color
27, 42.664, 13.065

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 16.828, 5.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 42.664, 13.065 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(121, 27, 51)` looks like.

```
.text, #text, p{  
    color:rgb(121, 27, 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(121, 27, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 27, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 42.664, 13.065 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(121, 27, 51) }
```

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

```
.border{ border-color:rgb(121, 27, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 27, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 27, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 27, 51);  
box-shadow:4px 4px 4px 4px rgb(121, 27,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 42.664, 13.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 27, 51) }
```

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

```
.background{ background-color: rgb(121, 27,  
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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