

Converting Colors

CIELCh(27, 42.940, 15.842)

Have a look what the booklet for
CIELCh(27, 42.940, 15.842) contains.

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Color

CIELCh(27, 42.914, 15.643)

Conversions

Conversions Part 1

Format	Color
Hex	791B30
RGB	121, 27, 48
RGB Percent	47%, 11%, 19%
CMY	0.5245, 0.8931, 0.8110
CMYK	0.00, 0.78, 0.60, 0.52
HSL	347°, 63%, 29%
HSV	347°, 78%, 48%
XYZ	8.8554, 5.0937, 3.3335
YIQ	57.5000, 49.2830, 26.4590

Conversions

Conversions Part 2

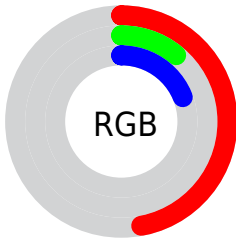
Format	Color
R_{YB}	121, 27, 48
Decimal	7936816
CIE _{Lab}	27.00, 41.32, 11.57
CIE _{LCh}	27, 42.914, 15.643
Yxy	5.0937, 0.5124, 0.2947
Android (android.graphics.Color)	4286126896 (0xFF791B30)
YUV	57.5000, -4.6835, 55.6895
Hunter-Lab	22.5692, 30.5412, 7.0413

Details

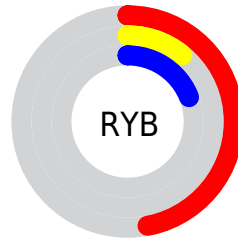
The CIELCh color **27, 42.914, 15.643** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **45, 32.101, 173.062**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 42.777, 15.616**, and **11, 34.861, 28.375** is the 20% darker color. If you saturate the color by 10%, you get **25, 47.172, 19.759**, and if you desaturate by 10%, it is **29, 37.976, 12.311**.

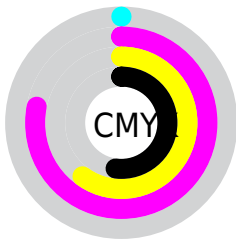
Distribution



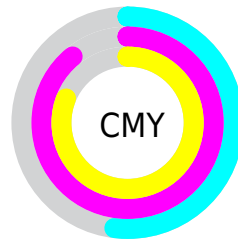
- Red (47%)
- Green (11%)
- Blue (19%)



- Red (47%)
- Yellow (11%)
- Blue (19%)



- Cyan (0%)
- Magenta (78%)
- Yellow (60%)
- Black (52%)



- Cyan (52%)
- Magenta (89%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 42.914, 15.643 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, 42.914, 15.643 by changing the saturation by 10% instead.

■ 27, 42.914, 15.643

■ 27, 42.914, 15.643

■ 100, 42.914,
15.643

■ 17, 42.914, 15.643

■ 47, 42.914, 15.643

■ 7, 42.914, 15.643

■ 57, 42.914, 15.643

■ 0, 42.914, 15.643

■ 67, 42.914, 15.643

■ 77, 42.914, 15.643

■ 87, 42.914, 15.643

■ 97, 42.914, 15.643

■ 27, 42.914, 15.643

■ 27, 42.914, 15.643

25, 47.172, 19.759

29, 37.976, 12.311

24, 50.953, 24.385

32, 32.512, 9.649

24, 51.955, 25.442

34, 26.735, 7.520

38, 20.852, 5.797

41, 15.025, 4.376

45, 9.362, 3.178

48, 3.923, 2.119

52, 1.263, 181.612

56, 6.190, 180.627

Harmonies

Complementary

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



27, 42.914, 15.643



45, 32.101, 173.062

Rectangle

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



27, 42.914, 15.643



27, 42.914, 65.643



27, 42.914, 195.643



27, 42.914, 245.643

Sweetspot

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



27, 42.912, 15.645



55, 15.482, 3.881



26, 59.633, 320.318



27, 10.723, 4.250



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, 42.912, 15.645



33, 60.644, 23.496



31, 41.052, 46.287



24, 2.975, 2.282



25, 53.162, 25.635



53, 91.767, 28.871

Inverse Universe

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



27, 42.912, 15.645



33, 60.644, 23.496



38, 23.466, 239.256



24, 2.975, 2.282



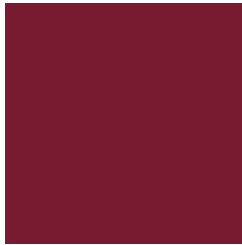
25, 53.162, 25.635



53, 91.767, 28.871

Previews

White Background



This preview shows how the CIELCh color 27, 42.914, 15.643 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, 42.914, 15.643 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, 42.914, 15.643

Background



This preview shows how black text looks on a background with the CIELCh color 27, 42.914, 15.643.



This preview shows how white text looks on a background with the CIELCh color 27, 42.914, 15.643.

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, 42.914, 15.643

Protanopia

28, 0.897, 19.281

Deuteranopia

28, 14.801, 74.696



Tritanopia
27, 44.813, 30.114

Trichromacy



Original Color
27, 42.914, 15.643

Protanomaly
26, 17.553, 6.187

Deuteranomaly
26, 22.425, 30.263

Tritanomaly
27, 43.629, 25.117

Monochromacy



Original Color
27, 42.914, 15.643

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 16.740, 7.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 42.914, 15.643 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(121, 27, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 27, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 42.914, 15.643 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, 48) }
```

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

```
.border{ border-color:rgb(121, 27, 48) }
```

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, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 27, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 27, 48);  
box-shadow:4px 4px 4px 4px rgb(121, 27,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 42.914, 15.643 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, 48) }
```

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

```
.background{ background-color: rgb(121, 27,  
48) }
```

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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