

Converting Colors

CIELCh(27, 41.743, 30.010)

Have a look what the booklet for
CIELCh(27, 41.743, 30.010) contains.

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Color

CIELCh(27, 41.667, 29.692)

Conversions

Conversions Part 1

Format	Color
Hex	752222
RGB	117, 34, 34
RGB Percent	46%, 13%, 13%
CMY	0.5396, 0.8652, 0.8655
CMYK	0.00, 0.71, 0.71, 0.54
HSL	0°, 55%, 30%
HSV	0°, 71%, 46%
XYZ	8.2678, 5.0937, 2.0840
YIQ	58.8170, 49.4680, 17.5960

Conversions

Conversions Part 2

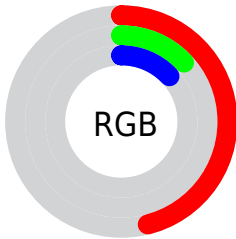
Format	Color
R_{YB}	117, 34, 34
Decimal	7676450
CIE _{Lab}	27.00, 36.20, 20.64
CIE _{LCh}	27, 41.667, 29.692
Yxy	5.0937, 0.5353, 0.3298
Android (android.graphics.Color)	4285866530 (0xFF752222)
YUV	58.8170, -12.2348, 51.0265
Hunter-Lab	22.5692, 25.8942, 10.3237

Details

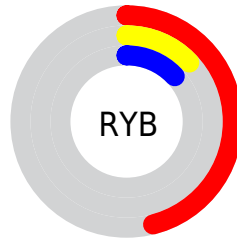
The CIELCh color **27, 41.667, 29.692** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **45, 24.965, 196.831**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 41.755, 29.933**, and **9, 32.563, 26.474** is the 20% darker color. If you saturate the color by 10%, you get **25, 47.899, 32.893**, and if you desaturate by 10%, it is **29, 35.178, 27.007**.

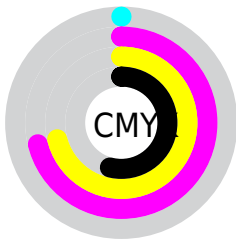
Distribution



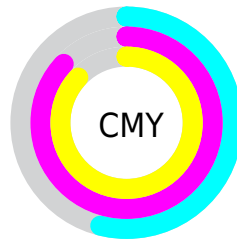
- Red (46%)
- Green (13%)
- Blue (13%)



- Red (46%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (71%)
- Yellow (71%)
- Black (54%)



- Cyan (54%)
- Magenta (87%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 41.667, 29.692 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, 41.667, 29.692 by changing the saturation by 10% instead.

■ 27, 41.667, 29.692

■ 27, 41.667, 29.692

■ 100, 41.667,
29.692

■ 17, 41.667, 29.692

■ 47, 41.667, 29.692

■ 7, 41.667, 29.692

■ 57, 41.667, 29.692

■ 0, 41.667, 29.692

■ 67, 41.667, 29.692

■ 77, 41.667, 29.692

■ 87, 41.667, 29.692

■ 97, 41.667, 29.692

■ 27, 41.667, 29.692

■ 27, 41.667, 29.692

25, 47.899, 32.893

29, 35.178, 27.007

24, 53.232, 35.925

32, 28.679, 24.863

23, 56.985, 37.609

35, 22.347, 23.191

38, 16.302, 21.895

42, 10.612, 20.884

45, 5.303, 20.071

49, 0.371, 18.525

53, 4.205, 199.137

57, 8.456, 198.706

Harmonies

Complementary

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



27, 41.667, 29.692



45, 24.965, 196.831

Rectangle

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



27, 41.667, 29.692



27, 41.667, 79.692



27, 41.667, 209.692



27, 41.667, 259.692

Sweetspot

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



27, 41.665, 29.695



54, 13.357, 20.952



30, 55.121, 327.695



26, 9.057, 21.149



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



27, 41.665, 29.695



33, 62.472, 35.076



36, 33.956, 66.835



23, 2.748, 19.940



24, 59.029, 38.008



52, 102.975, 40.007

Inverse Universe

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



45, 24.965, 196.831



57, 32.992, 196.612



31, 28.028, 270.584



24, 2.603, 199.106



46, 29.072, 196.526



89, 49.285, 196.534

Previews

White Background



This preview shows how the CIELCh color 27, 41.667, 29.692 looks on a white background.

Color Contrast Check

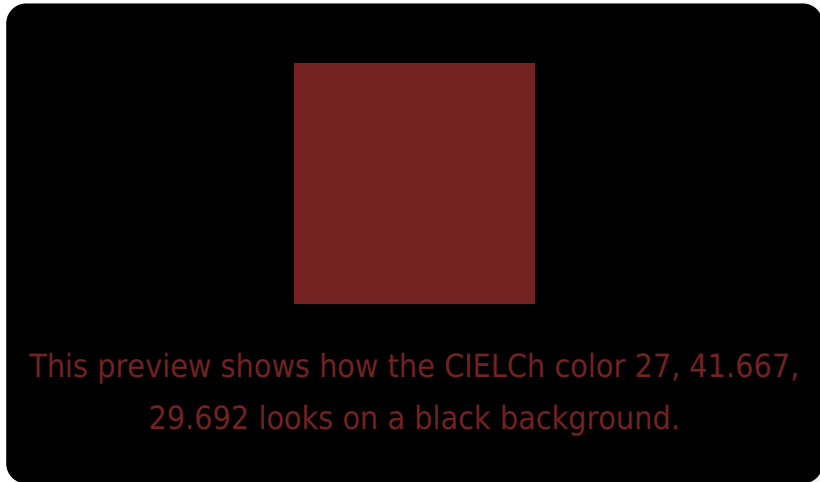
Large Text (above 18pt) WCAG AA ✓ Pass

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

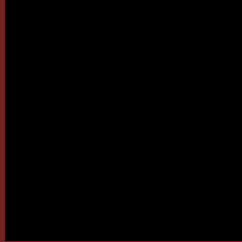
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 41.667, 29.692

Background



This preview shows how black text looks on a background with the CIELCh color 27, 41.667, 29.692.



This preview shows how white text looks on a background with the CIELCh color 27, 41.667, 29.692.

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, 41.667, 29.692

Protanopia

27, 13.091, 96.689

Deuteranopia

28, 23.483, 80.546



Tritanopia
27, 41.165, 28.084

Trichromacy



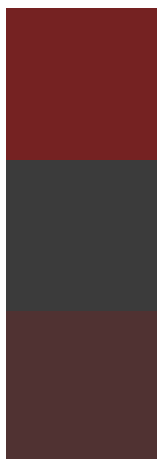
Original Color
27, 41.667, 29.692

Protanomaly
26, 19.375, 47.405

Deuteranomaly
27, 27.010, 51.817

Tritanomaly
27, 41.412, 28.894

Monochromacy



Original Color
27, 41.667, 29.692

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 14.733, 22.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 41.667, 29.692 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(117, 34, 34)` looks like.

```
.text, #text, p{  
    color:rgb(117, 34, 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(117, 34, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 34, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 41.667, 29.692 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(117, 34, 34) }
```

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

```
.border{ border-color:rgb(117, 34, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 34, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 34, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 34, 34);  
box-shadow:4px 4px 4px 4px rgb(117, 34,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 41.667, 29.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 34, 34) }
```

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

```
.background{ background-color: rgb(117, 34,  
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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