

Converting Colors

CIELCh(27, 49.093, 32.691)

Have a look what the booklet for
CIELCh(27, 49.093, 32.691) contains.

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Color

CIELCh(27, 49.016, 32.423)

Conversions

Conversions Part 1

Format	Color
Hex	7C1A1A
RGB	124, 26, 26
RGB Percent	49%, 10%, 10%
CMY	0.5139, 0.8982, 0.8981
CMYK	0.00, 0.79, 0.79, 0.51
HSL	360°, 65%, 29%
HSV	360°, 79%, 49%
XYZ	8.8613, 5.0937, 1.4918
YIQ	55.3020, 58.4080, 20.7760

Conversions

Conversions Part 2

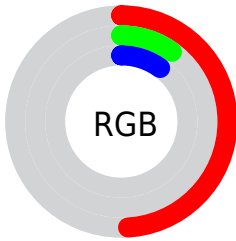
Format	Color
R_{YB}	124, 26, 26
Decimal	8133146
CIE _{Lab}	27.00, 41.38, 26.28
CIE _{LCh}	27, 49.016, 32.423
Yxy	5.0937, 0.5737, 0.3298
Android (android.graphics.Color)	4286323226 (0xFF7C1A1A)
YUV	55.3020, -14.4459, 60.2481
Hunter-Lab	22.5692, 30.5881, 11.8794

Details

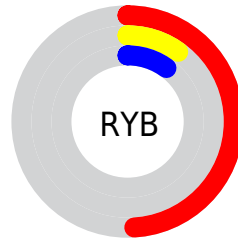
The CIELCh color **27, 49.016, 32.423** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **47, 27.436, 196.568**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 49.081, 32.286**, and **11, 34.861, 28.375** is the 20% darker color. If you saturate the color by 10%, you get **26, 54.915, 35.792**, and if you desaturate by 10%, it is **29, 42.447, 29.255**.

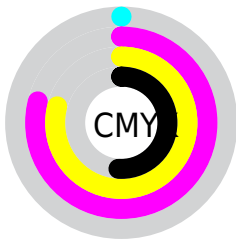
Distribution



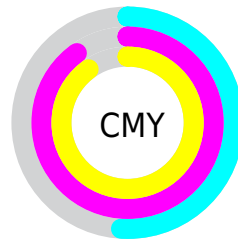
- Red (49%)
- Green (10%)
- Blue (10%)



- Red (49%)
- Yellow (10%)
- Blue (10%)



- Cyan (0%)
- Magenta (79%)
- Yellow (79%)
- Black (51%)



- Cyan (51%)
- Magenta (90%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 49.016, 32.423 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, 49.016, 32.423 by changing the saturation by 10% instead.

■ 27, 49.016, 32.423

■ 27, 49.016, 32.423

■ 100, 49.016,
32.423

■ 17, 49.016, 32.423

■ 47, 49.016, 32.423

■ 7, 49.016, 32.423

■ 57, 49.016, 32.423

■ 0, 49.016, 32.423

■ 67, 49.016, 32.423

■ 77, 49.016, 32.423

■ 87, 49.016, 32.423

■ 97, 49.016, 32.423

■ 27, 49.016, 32.423

■ 27, 49.016, 32.423

26, 54.915, 35.792

29, 42.447, 29.255

25, 59.266, 37.928

31, 35.650, 26.620

25, 59.674, 38.101

34, 28.869, 24.530

38, 22.283, 22.904

41, 16.012, 21.646

45, 10.120, 20.664

49, 4.630, 19.864

52, 0.466, 200.190

56, 5.193, 198.961

Harmonies

Complementary

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



27, 49.016, 32.423



47, 27.436, 196.568

Rectangle

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



27, 49.016, 32.423



27, 49.016, 82.423



27, 49.016, 212.423



27, 49.016, 262.423

Sweetspot

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



27, 49.014, 32.425



55, 16.087, 21.177



30, 61.579, 327.364



27, 11.260, 21.482



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



27, 49.014, 32.425



33, 71.063, 38.353



36, 39.967, 64.087



24, 2.851, 19.864



25, 60.074, 38.171



53, 103.779, 39.998

Inverse Universe

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



27, 49.014, 32.425



33, 71.063, 38.353



32, 31.654, 271.958



24, 2.851, 19.864



25, 60.074, 38.171



53, 103.779, 39.998

Previews

White Background



This preview shows how the CIELCh color 27, 49.016, 32.423 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, 49.016, 32.423 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, 49.016, 32.423

Background



This preview shows how black text looks on a background with the CIELCh color 27, 49.016, 32.423.

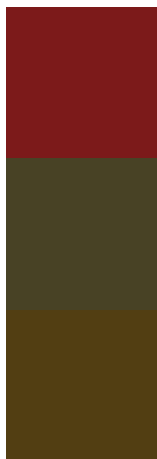


This preview shows how white text looks on a background with the CIELCh color 27, 49.016, 32.423.

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, 49.016, 32.423

Protanopia

28, 18.680, 97.070

Deuteranopia

28, 29.408, 83.068



Tritanopia
27, 49.016, 32.423

Trichromacy



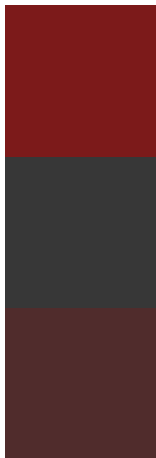
Original Color
27, 49.016, 32.423

Protanomaly
26, 24.926, 49.832

Deuteranomaly
26, 33.023, 54.312

Tritanomaly
27, 49.016, 32.423

Monochromacy



Original Color
27, 49.016, 32.423

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 18.100, 23.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 49.016, 32.423 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(124, 26, 26)` looks like.

```
.text, #text, p{  
  color:rgb(124, 26, 26)  
}
```

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(124, 26, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 26, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 49.016, 32.423 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(124, 26, 26) }
```

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

```
.border{ border-color:rgb(124, 26, 26) }
```

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

Here you see how a box with a 4 pixel rgb(124, 26, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 26, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 26, 26);  
box-shadow:4px 4px 4px 4px rgb(124, 26,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 49.016, 32.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 26, 26) }
```

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

```
.background{ background-color: rgb(124, 26,  
26) }
```

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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