

Converting Colors

CIELCh(27, 44.738, 12.797)

Have a look what the booklet for
CIELCh(27, 44.738, 12.797) contains.

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Color

CIELCh(27, 44.585, 12.451)

Conversions

Conversions Part 1

Format	Color
Hex	7B1733
RGB	123, 23, 51
RGB Percent	48%, 9%, 20%
CMY	0.5167, 0.9087, 0.7993
CMYK	0.00, 0.81, 0.58, 0.52
HSL	343°, 68%, 29%
HSV	343°, 81%, 48%
XYZ	9.1171, 5.0937, 3.6564
YIQ	56.0920, 50.6120, 29.9080

Conversions

Conversions Part 2

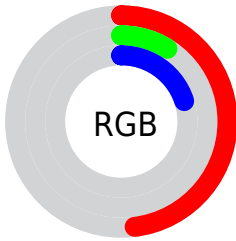
Format	Color
R_{YB}	123, 23, 51
Decimal	8066867
CIE Lab	27.00, 43.54, 9.61
CIE LCh	27, 44.585, 12.451
Yxy	5.0937, 0.5103, 0.2851
Android (android.graphics.Color)	4286256947 (0xFF7B1733)
YUV	56.0920, -2.5104, 58.6783
Hunter-Lab	22.5692, 32.6116, 6.1928

Details

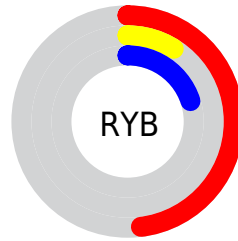
The CIELCh color **27, 44.585, 12.451** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **46, 35.418, 167.793**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 44.705, 12.253**, and **11, 34.761, 26.354** is the 20% darker color. If you saturate the color by 10%, you get **26, 48.144, 16.743**, and if you desaturate by 10%, it is **29, 40.188, 8.984**.

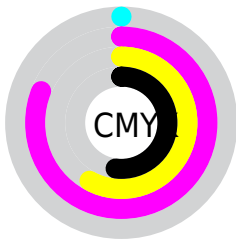
Distribution



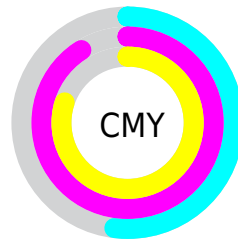
- Red (48%)
- Green (9%)
- Blue (20%)



- Red (48%)
- Yellow (9%)
- Blue (20%)



- Cyan (0%)
- Magenta (81%)
- Yellow (58%)
- Black (52%)



- Cyan (52%)
- Magenta (91%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 44.585, 12.451 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, 44.585, 12.451 by changing the saturation by 10% instead.

■ 27, 44.585, 12.451

■ 27, 44.585, 12.451

■ 100, 44.585,
12.451

■ 17, 44.585, 12.451

■ 47, 44.585, 12.451

■ 7, 44.585, 12.451

■ 57, 44.585, 12.451

■ 0, 44.585, 12.451

■ 67, 44.585, 12.451

■ 77, 44.585, 12.451

■ 87, 44.585, 12.451

■ 97, 44.585, 12.451

■ 27, 44.585, 12.451

■ 27, 44.585, 12.451

26, 48.144, 16.743

29, 40.188, 8.984

25, 51.098, 20.780

31, 35.072, 6.218

34, 29.455, 4.007

37, 23.574, 2.213

40, 17.631, 0.731

44, 11.766,
359.480

48, 6.071, 358.389

51, 0.594, 356.948

55, 4.645, 176.778

Harmonies

Complementary

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



27, 44.585, 12.451



46, 35.418, 167.793

Rectangle

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



27, 44.585, 12.451



27, 44.585, 62.451



27, 44.585, 192.451



27, 44.585, 242.451

Sweetspot

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



27, 44.583, 12.453



55, 16.724, 359.893



25, 62.373, 318.740



27, 11.636, 0.265



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, 44.583, 12.453



34, 61.332, 20.829



30, 45.032, 43.136



24, 3.049, 358.177



25, 51.629, 20.869



53, 88.610, 24.179

Inverse Universe

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



27, 44.583, 12.453



34, 61.332, 20.829



40, 23.873, 231.426



24, 3.049, 358.177



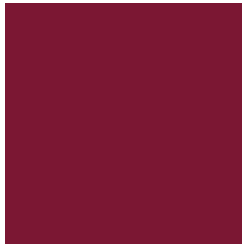
25, 51.629, 20.869



53, 88.610, 24.179

Previews

White Background



This preview shows how the CIE LCh color 27, 44.585, 12.451 looks on a white background.

Color Contrast Check

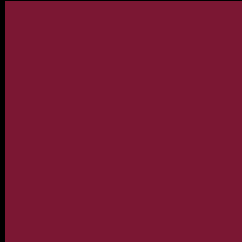
Large Text (above 18pt) WCAG AA ✓ Pass

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, 44.585, 12.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

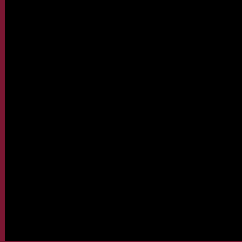
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 44.585, 12.451

Background



This preview shows how black text looks on a background with the CIELCh color 27, 44.585, 12.451.



This preview shows how white text looks on a background with the CIELCh color 27, 44.585, 12.451.

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, 44.585, 12.451

Protanopia

28, 3.895, 290.947

Deuteranopia

28, 13.401, 73.957



Tritanopia
27, 46.307, 30.764

Trichromacy



Original Color
27, 44.585, 12.451

Protanomaly
26, 18.566, 354.391

Deuteranomaly
26, 22.419, 25.652

Tritanomaly
27, 44.872, 24.079

Monochromacy



Original Color
27, 44.585, 12.451

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 18.086, 2.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 44.585, 12.451 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(123, 23, 51)` looks like.

```
.text, #text, p{  
    color:rgb(123, 23, 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(123, 23, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 23, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 44.585, 12.451 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(123, 23, 51) }
```

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

```
.border{ border-color:rgb(123, 23, 51) }
```

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

Here you see how a box with a 4 pixel rgb(123, 23, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 23, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 23, 51);  
box-shadow:4px 4px 4px 4px rgb(123, 23,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 44.585, 12.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 23, 51) }
```

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

```
.background{ background-color: rgb(123, 23,  
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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