

Converting Colors

CIELCh(27, 45.352, 23.125)

Have a look what the booklet for
CIELCh(27, 45.352, 23.125) contains.

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Color

CIELCh(27, 45.352, 23.125)

Conversions

Conversions Part 1

Format	Color
Hex	7B1A27
RGB	123, 26, 39
RGB Percent	48%, 10%, 15%
CMY	0.5177, 0.8981, 0.8471
CMYK	0.00, 0.79, 0.68, 0.52
HSL	352°, 65%, 29%
HSV	352°, 79%, 48%
XYZ	8.9004, 5.0937, 2.4322
YIQ	56.4850, 53.6390, 24.6070

Conversions

Conversions Part 2

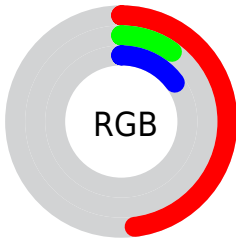
Format	Color
R _Y B	123, 26, 39
Decimal	8067623
CIE Lab	27.00, 41.71, 17.81
CIE LCh	27, 45.352, 23.125
Yxy	5.0937, 0.5418, 0.3101
Android (android.graphics.Color)	4286257703 (0xFF7B1A27)
YUV	56.4850, -8.6201, 58.3337
Hunter-Lab	22.5692, 30.8973, 9.4088

Details

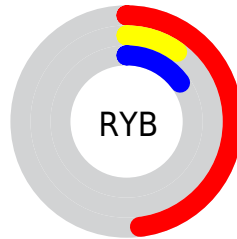
The CIELCh color **27, 45.352, 23.125** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **46, 30.094, 181.252**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 45.447, 22.949**, and **11, 35.320, 28.720** is the 20% darker color. If you saturate the color by 10%, you get **26, 50.333, 27.329**, and if you desaturate by 10%, it is **29, 39.827, 19.613**.

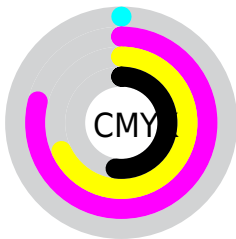
Distribution



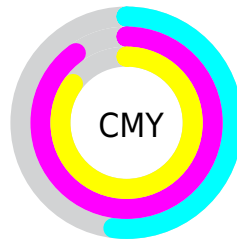
- Red (48%)
- Green (10%)
- Blue (15%)



- Red (48%)
- Yellow (10%)
- Blue (15%)



- Cyan (0%)
- Magenta (79%)
- Yellow (68%)
- Black (52%)



- Cyan (52%)
- Magenta (90%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 45.352, 23.125 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, 45.352, 23.125 by changing the saturation by 10% instead.

■ 27, 45.352, 23.125

■ 27, 45.352, 23.125

■ 100, 45.352,
23.125

■ 17, 45.352, 23.125

■ 47, 45.352, 23.125

■ 7, 45.352, 23.125

■ 57, 45.352, 23.125

■ 0, 45.352, 23.125

■ 67, 45.352, 23.125

■ 77, 45.352, 23.125

■ 87, 45.352, 23.125

■ 97, 45.352, 23.125

■ 27, 45.352, 23.125

■ 27, 45.352, 23.125

26, 50.333, 27.329

29, 39.827, 19.613

25, 54.947, 31.630

32, 33.915, 16.783

24, 55.471, 32.024

34, 27.809, 14.531

38, 21.700, 12.734

41, 15.735, 11.285

45, 10.008, 10.092

48, 4.570, 9.068

52, 0.562, 188.980

56, 5.394, 187.684

Harmonies

Complementary

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



27, 45.352, 23.125



46, 30.094, 181.252

Rectangle

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



27, 45.352, 23.125



27, 45.352, 73.125



27, 45.352, 203.125



27, 45.352, 253.125

Sweetspot

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



27, 45.350, 23.127



55, 16.093, 10.747



28, 60.952, 322.972



27, 11.231, 11.116



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, 45.350, 23.127



34, 65.660, 31.244



33, 40.890, 52.627



24, 2.892, 9.087



25, 56.166, 32.128



53, 97.373, 34.915

Inverse Universe

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



27, 45.350, 23.127



34, 65.660, 31.244



36, 25.824, 253.758



24, 2.892, 9.087



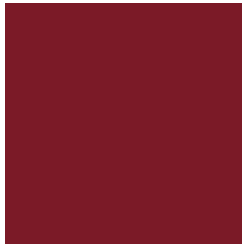
25, 56.166, 32.128



53, 97.373, 34.915

Previews

White Background



This preview shows how the CIELCh color 27, 45.352, 23.125 looks on a white background.

Color Contrast Check

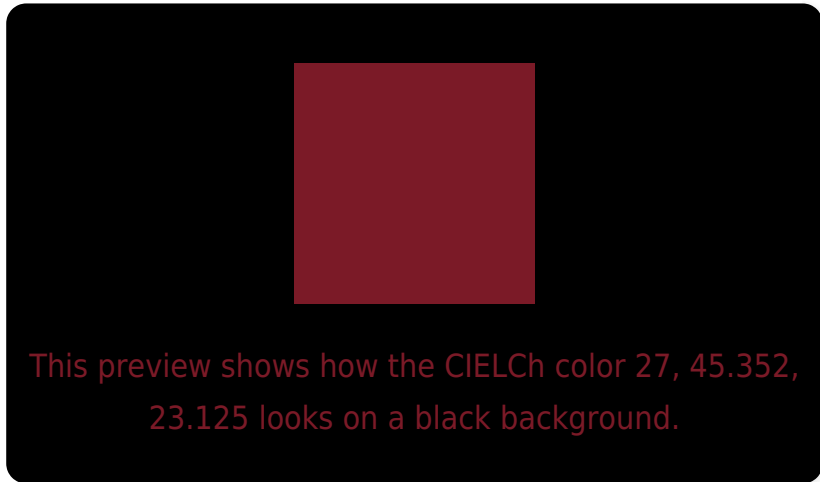
Large Text (above 18pt) WCAG AA ✓ Pass

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

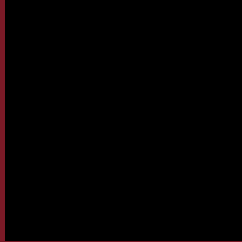
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 45.352, 23.125

Background



This preview shows how black text looks on a background with the CIELCh color 27, 45.352, 23.125.

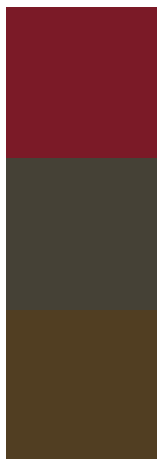


This preview shows how white text looks on a background with the CIELCh color 27, 45.352, 23.125.

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, 45.352, 23.125

Protanopia

28, 7.349, 93.751

Deuteranopia

28, 20.721, 77.916



Tritanopia
27, 47.265, 31.137

Trichromacy



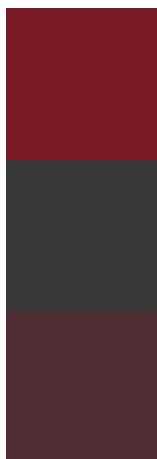
Original Color
27, 45.352, 23.125

Protanomaly
26, 18.961, 27.013

Deuteranomaly
26, 26.609, 41.710

Tritanomaly
27, 46.445, 27.978

Monochromacy



Original Color
27, 45.352, 23.125

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 17.226, 12.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 45.352, 23.125 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, 26, 39)` looks like.

```
.text, #text, p{  
    color:rgb(123, 26, 39)  
}
```

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, 26, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 26, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 45.352, 23.125 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, 26, 39) }
```

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

```
.border{ border-color:rgb(123, 26, 39) }
```

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

Here you see how a box with a 4 pixel rgb(123, 26, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 26, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 26, 39);  
box-shadow:4px 4px 4px 4px rgb(123, 26,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 45.352, 23.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 26, 39) }
```

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

```
.background{ background-color: rgb(123, 26,  
39) }
```

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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