

Converting Colors

CIELCh(27, 39.002, 27.111)

Have a look what the booklet for
CIELCh(27, 39.002, 27.111) contains.

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Color

CIELCh(27, 38.951, 26.414)

Conversions

Conversions Part 1

Format	Color
Hex	732427
RGB	115, 36, 39
RGB Percent	45%, 14%, 15%
CMY	0.5478, 0.8577, 0.8461
CMYK	0.00, 0.69, 0.66, 0.55
HSL	358°, 52%, 30%
HSV	358°, 69%, 45%
XYZ	8.1218, 5.0937, 2.4955
YIQ	59.9630, 46.1210, 17.6810

Conversions

Conversions Part 2

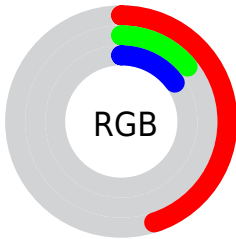
Format	Color
RYB	115, 36, 39
Decimal	7545895
CIELab	27.00, 34.88, 17.33
CIELCh	27, 38.951, 26.414
Yxy	5.0937, 0.5170, 0.3242
Android (android.graphics.Color)	4285735975 (0xFF732427)
YUV	59.9630, -10.3348, 48.2674
Hunter-Lab	22.5692, 24.7397, 9.2427

Details

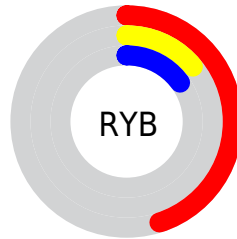
The CIELCh color **27, 38.951, 26.414** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **44, 24.691, 192.544**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 38.603, 26.589**, and **9, 32.104, 26.054** is the 20% darker color. If you saturate the color by 10%, you get **25, 44.917, 29.661**, and if you desaturate by 10%, it is **29, 32.766, 23.762**.

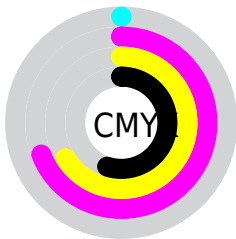
Distribution



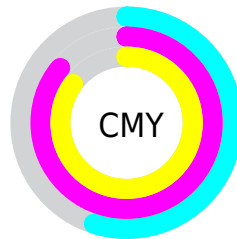
- Red (45%)
- Green (14%)
- Blue (15%)



- Red (45%)
- Yellow (14%)
- Blue (15%)



- Cyan (0%)
- Magenta (69%)
- Yellow (66%)
- Black (55%)



- Cyan (55%)
- Magenta (86%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 38.951, 26.414 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, 38.951, 26.414 by changing the saturation by 10% instead.

■ 27, 38.951, 26.414

■ 27, 38.951, 26.414

■ 100, 38.951,
26.414

■ 17, 38.951, 26.414

■ 47, 38.951, 26.414

■ 7, 38.951, 26.414

■ 57, 38.951, 26.414

■ 0, 38.951, 26.414

■ 67, 38.951, 26.414

■ 77, 38.951, 26.414

■ 87, 38.951, 26.414

■ 97, 38.951, 26.414

■ 27, 38.951, 26.414

■ 27, 38.951, 26.414

25, 44.917, 29.661

29, 32.766, 23.762

24, 50.413, 33.348

32, 26.566, 21.656

23, 54.600, 35.695

35, 20.510, 20.002

23, 55.178, 35.928

39, 14.712, 18.700

42, 9.234, 17.661

46, 4.104, 16.793

49, 0.682, 196.755

53, 5.142, 195.746

56, 9.301, 195.263

Harmonies

Complementary

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



27, 38.951, 26.414



44, 24.691, 192.544

Rectangle

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



27, 38.951, 26.414



27, 38.951, 76.414



27, 38.951, 206.414



27, 38.951, 256.414

Sweetspot

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



27, 38.949, 26.417



53, 13.151, 17.952



29, 52.859, 326.037



26, 9.037, 18.170



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, 38.949, 26.417



33, 58.268, 31.699



35, 32.242, 62.421



23, 2.752, 16.837



24, 58.005, 36.511



52, 101.543, 38.963

Inverse Universe

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



27, 38.949, 26.417



33, 58.268, 31.699



33, 24.936, 263.864



23, 2.752, 16.837



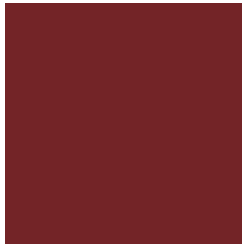
24, 58.005, 36.511



52, 101.543, 38.963

Previews

White Background



This preview shows how the CIELCh color 27, 38.951, 26.414 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, 38.951, 26.414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

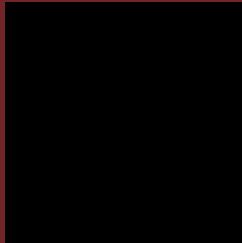
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 38.951, 26.414

Background



This preview shows how black text looks on a background with the CIELCh color 27, 38.951, 26.414.

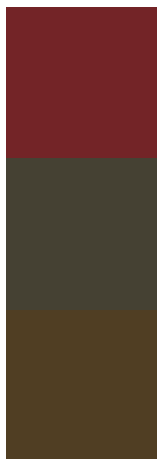


This preview shows how white text looks on a background with the CIELCh color 27, 38.951, 26.414.

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, 38.951, 26.414

Protanopia

28, 9.230, 96.306

Deuteranopia

27, 19.891, 78.550



Tritanopia
27, 39.176, 27.289

Trichromacy



Original Color
27, 38.951, 26.414

Protanomaly
26, 16.624, 39.966

Deuteranomaly
27, 23.937, 47.630

Tritanomaly
27, 39.176, 27.289

Monochromacy



Original Color
27, 38.951, 26.414

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 14.102, 19.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 38.951, 26.414 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(115, 36, 39)` looks like.

```
.text, #text, p{  
    color:rgb(115, 36, 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(115, 36, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 36, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 38.951, 26.414 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(115, 36, 39) }
```

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

```
.border{ border-color:rgb(115, 36, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 36, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 36, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 36, 39);  
box-shadow:4px 4px 4px 4px rgb(115, 36,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 38.951, 26.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 36, 39) }
```

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

```
.background{ background-color: rgb(115, 36,  
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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