

Converting Colors

CIELCh(27, 12.604, 11.421)

Have a look what the booklet for
CIELCh(27, 12.604, 11.421) contains.

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Color

CIELCh(27, 12.359, 12.851)

Conversions

Conversions Part 1

Format	Color
Hex	53393C
RGB	83, 57, 60
RGB Percent	33%, 22%, 24%
CMY	0.6745, 0.7764, 0.7646
CMYK	0.00, 0.31, 0.28, 0.67
HSL	353°, 19%, 27%
HSV	353°, 31%, 33%
XYZ	5.8483, 5.0937, 4.9518
YIQ	65.1160, 14.5330, 6.4450

Conversions

Conversions Part 2

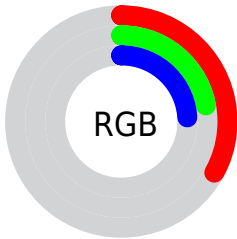
Format	Color
R_{YB}	83, 57, 60
Decimal	5454140
CIE _{Lab}	27.00, 12.05, 2.75
CIE _{LCh}	27, 12.359, 12.851
Yxy	5.0937, 0.3680, 0.3205
Android (android.graphics.Color)	4283644220 (0xFF53393C)
YUV	65.1160, -2.5222, 15.6843
Hunter-Lab	22.5692, 6.7585, 2.7898




Details

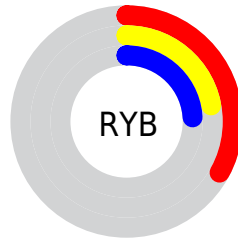
The CIELCh color **27, 12.359, 12.851** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **33, 10.631, 187.622**, and the grayscale version is **28, 0.004, 296.813**.




A 20% lighter version of the original color is **47, 12.393, 12.821**, and **7, 12.104, 12.296** is the 20% darker color. If you saturate the color by 10%, you get **25, 16.701, 14.245**, and if you desaturate by 10%, it is **30, 8.188, 11.710**.

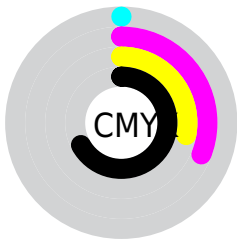
Distribution







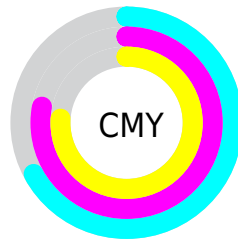
-  Red (33%)
-  Green (22%)
-  Blue (24%)






-  Red (33%)
-  Yellow (22%)
-  Blue (24%)



-  Cyan (0%)
-  Magenta (31%)
-  Yellow (28%)
-  Black (67%)



-  Cyan (67%)
-  Magenta (78%)
-  Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 12.359, 12.851 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, 12.359, 12.851 by changing the saturation by 10% instead.

■ 27, 12.359, 12.851

■ 27, 12.359, 12.851

■ 100, 12.359,
12.851

■ 17, 12.359, 12.851

■ 47, 12.359, 12.851

■ 7, 12.359, 12.851

■ 57, 12.359, 12.851

■ 0, 12.359, 12.851

■ 67, 12.359, 12.851

■ 77, 12.359, 12.851

■ 87, 12.359, 12.851

■ 97, 12.359, 12.851

■ 27, 12.359, 12.851

■ 27, 12.359, 12.851

25, 16.701, 14.245

30, 8.188, 11.710

22, 21.156, 15.958

32, 4.224, 10.735

20, 25.628, 18.088

35, 0.479, 9.417

18, 29.995, 20.740

38, 3.051, 189.421

17, 34.128, 23.999

40, 6.377, 188.786

16, 37.751, 27.147

43, 9.513, 188.257

15, 40.518, 28.079

46, 12.476,
187.796

49, 15.283,
187.386

52, 17.950,
187.019

Harmonies

Complementary

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



27, 12.359, 12.851



33, 10.631, 187.622

Rectangle

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



27, 12.359, 12.851



27, 12.359, 62.851



27, 12.359, 192.851



27, 12.359, 242.851

Sweetspot

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



27, 12.358, 12.855



42, 4.122, 10.549



27, 19.373, 322.595



20, 2.838, 10.631



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



27, 12.358, 12.855



33, 18.870, 13.938



30, 10.067, 59.150



15, 2.041, 10.493



20, 49.137, 31.520



49, 92.206, 35.720

Inverse Universe

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



27, 12.358, 12.855



33, 18.870, 13.938



30, 8.783, 245.620



15, 2.041, 10.493



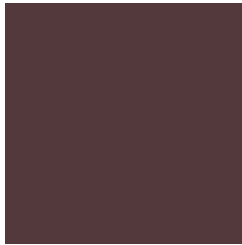
20, 49.137, 31.520



49, 92.206, 35.720

Previews

White Background



This preview shows how the CIE LCh color 27, 12.359, 12.851 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, 12.359, 12.851 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, 12.359, 12.851

Background



This preview shows how black text looks on a background with the CIELCh color 27, 12.359, 12.851.

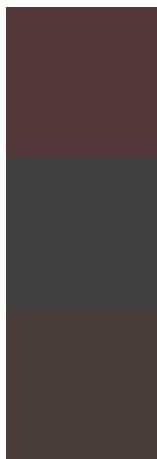


This preview shows how white text looks on a background with the CIELCh color 27, 12.359, 12.851.

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, 12.359, 12.851

Protanopia

27, 0.449, 18.934

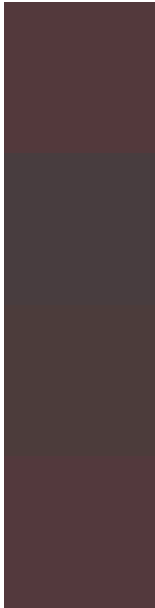
Deuteranopia

27, 5.070, 42.558



Tritanopia
27, 12.405, 9.893

Trichromacy



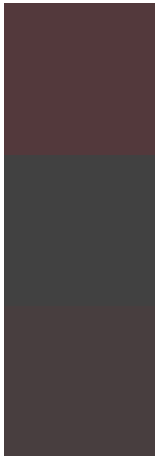
Original Color
27, 12.359, 12.851

Protanomaly
27, 5.200, 5.905

Deuteranomaly
27, 7.562, 25.599

Tritanomaly
27, 12.405, 9.893

Monochromacy



Original Color
27, 12.359, 12.851

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 4.625, 12.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 12.359, 12.851 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(83, 57, 60)` looks like.

```
.text, #text, p{  
    color:rgb(83, 57, 60)  
}
```

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(83, 57, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 57, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 12.359, 12.851 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(83, 57, 60) }
```

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

```
.border{ border-color:rgb(83, 57, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 57, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 57, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 57, 60);  
box-shadow:4px 4px 4px 4px rgb(83, 57, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 12.359, 12.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 57, 60) }
```

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

```
.background{ background-color: rgb(83, 57,  
60) }
```

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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