

Converting Colors

CIELCh(27, 10.755, 34.311)

Have a look what the booklet for
CIELCh(27, 10.755, 34.311) contains.

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Color

CIELCh(27, 10.510, 35.248)

Conversions

Conversions Part 1

Format	Color
Hex	503B37
RGB	80, 59, 55
RGB Percent	31%, 23%, 22%
CMY	0.6867, 0.7690, 0.7847
CMYK	0.00, 0.26, 0.31, 0.69
HSL	10°, 19%, 26%
HSV	10°, 31%, 31%
XYZ	5.5456, 5.0937, 4.2932
YIQ	64.8230, 13.8000, 3.2080

Conversions

Conversions Part 2

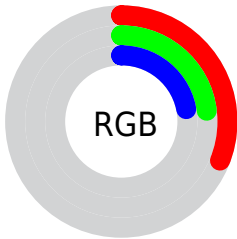
Format	Color
R_{YB}	80, 60, 55
Decimal	5258039
CIE Lab	27.00, 8.58, 6.07
CIE LCh	27, 10.510, 35.248
Yxy	5.0937, 0.3714, 0.3411
Android (android.graphics.Color)	4283448119 (0xFF503B37)
YUV	64.8230, -4.8427, 13.3102
Hunter-Lab	22.5692, 4.3643, 4.5200

Details

The CIELCh color **27, 10.510, 35.248** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 8.613, 215.615**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 10.599, 33.339**, and **7, 10.471, 36.411** is the 20% darker color. If you saturate the color by 10%, you get **25, 14.403, 35.643**, and if you desaturate by 10%, it is **29, 6.882, 35.016**.

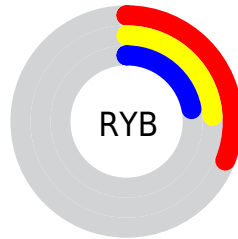
Distribution



 Red (31%)

 Green (23%)

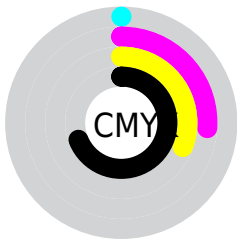
 Blue (22%)



 Red (31%)

 Yellow (24%)

 Blue (22%)

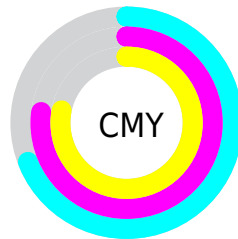


 Cyan (0%)

 Magenta (26%)

 Yellow (31%)

 Black (69%)



 Cyan (69%)

 Magenta (77%)

 Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 10.510, 35.248 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, 10.510, 35.248 by changing the saturation by 10% instead.

■ 27, 10.510, 35.248

■ 27, 10.510, 35.248

■ 100, 10.510,
35.248

■ 17, 10.510, 35.248

■ 47, 10.510, 35.248

■ 7, 10.510, 35.248

■ 57, 10.510, 35.248

■ 0, 10.510, 35.248

■ 67, 10.510, 35.248

■ 77, 10.510, 35.248

■ 87, 10.510, 35.248

■ 97, 10.510, 35.248

■ 27, 10.510, 35.248

■ 27, 10.510, 35.248

25, 14.403, 35.643

29, 6.882, 35.016

23, 18.562, 36.218

31, 3.513, 34.875

21, 22.963, 37.017

34, 0.383, 34.207

19, 27.556, 38.058

36, 2.526, 215.132

18, 32.027, 38.859

38, 5.236, 215.198

16, 35.552, 38.295

41, 7.769, 215.346

15, 38.258, 38.220

43, 10.144,
215.534

45, 12.378,
215.748

48, 14.489,
215.978

Harmonies

Complementary

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



27, 10.510, 35.248



31, 8.613, 215.615

Rectangle

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



27, 10.510, 35.248



27, 10.510, 85.248



27, 10.510, 215.248



27, 10.510, 265.248

Sweetspot

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



27, 10.509, 35.255



42, 3.475, 34.849



27, 17.453, 330.566



21, 2.443, 34.862



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, 10.509, 35.255



34, 16.443, 35.556



31, 11.155, 86.101



15, 1.754, 34.841



21, 49.252, 40.837



50, 94.243, 42.107

Inverse Universe

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



31, 8.613, 215.615



39, 12.688, 215.990



27, 11.018, 274.133



16, 1.669, 215.131



34, 22.625, 225.058



73, 40.541, 227.348

Previews

White Background



This preview shows how the CIE LCh color 27, 10.510, 35.248 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, 10.510, 35.248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

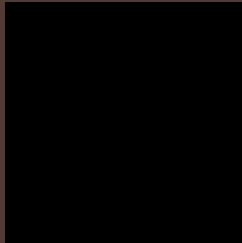
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 10.510, 35.248

Background



This preview shows how black text looks on a background with the CIELCh color 27, 10.510, 35.248.

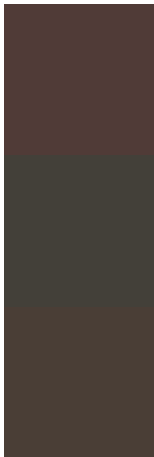


This preview shows how white text looks on a background with the CIELCh color 27, 10.510, 35.248.

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

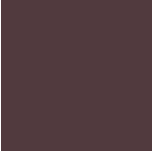
27, 10.510, 35.248

Protanopia

27, 4.740, 92.066

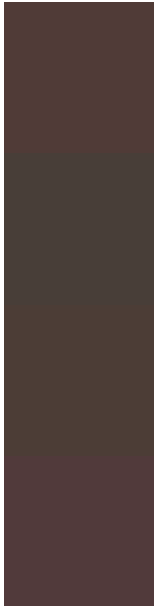
Deuteranopia

27, 7.799, 61.433



Tritanopia
27, 10.980, 7.981

Trichromacy



Original Color

27, 10.510, 35.248

Protanomaly

27, 6.157, 58.976

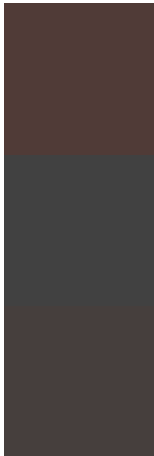
Deuteranomaly

27, 8.599, 52.003

Tritanomaly

27, 10.885, 18.065

Monochromacy



Original Color

27, 10.510, 35.248

Achromatopsia

28, 0.004, 296.813

Achromatomaly

27, 3.474, 41.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 10.510, 35.248 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(80, 59, 55)` looks like.

```
.text, #text, p{  
    color:rgb(80, 59, 55)  
}
```

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(80, 59, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 59, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 10.510, 35.248 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(80, 59, 55) }
```

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

```
.border{ border-color:rgb(80, 59, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 59, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 59, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 59, 55);  
box-shadow:4px 4px 4px 4px rgb(80, 59, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 10.510, 35.248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 59, 55) }
```

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

```
.background{ background-color: rgb(80, 59,  
55) }
```

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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