

Converting Colors

CIELCh(27, 12.363, 53.128)

Have a look what the booklet for
CIELCh(27, 12.363, 53.128) contains.

CIELCh(27, 12.424, 51.969)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(27, 12.424, 51.969)

Conversions

Conversions Part 1

Format	Color
Hex	503B31
RGB	80, 59, 49
RGB Percent	31%, 23%, 19%
CMY	0.6852, 0.7677, 0.8069
CMYK	0.00, 0.26, 0.39, 0.69
HSL	19°, 24%, 25%
HSV	19°, 39%, 31%
XYZ	5.4663, 5.0937, 3.6270
YIQ	64.1390, 15.7260, 1.3420

Conversions

Conversions Part 2

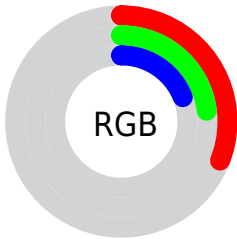
Format	Color
RYB	80, 64, 49
Decimal	5258033
CIELab	27.00, 7.65, 9.79
CIELCh	27, 12.424, 51.969
Yxy	5.0937, 0.3853, 0.3590
Android (android.graphics.Color)	4283448113 (0xFF503B31)
YUV	64.1390, -7.4635, 13.9101
Hunter-Lab	22.5692, 3.7371, 6.2701




Details

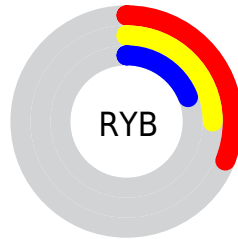
The CIELCh color **27, 12.424, 51.969** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 10.111, 238.463**, and the grayscale version is **27, 0.004, 296.813**.




A 20% lighter version of the original color is **47, 12.455, 51.573**, and **7, 12.086, 52.840** is the 20% darker color. If you saturate the color by 10%, you get **25, 16.185, 51.519**, and if you desaturate by 10%, it is **29, 8.898, 52.504**.

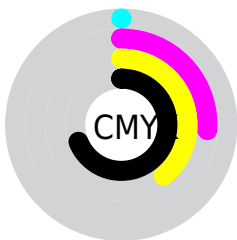
Distribution







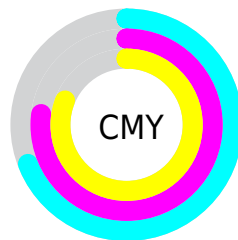
-  Red (31%)
-  Green (23%)
-  Blue (19%)






-  Red (31%)
-  Yellow (25%)
-  Blue (19%)



-  Cyan (0%)
-  Magenta (26%)
-  Yellow (39%)
-  Black (69%)



-  Cyan (69%)
-  Magenta (77%)
-  Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 12.424, 51.969 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, 12.424, 51.969 by changing the saturation by 10% instead.

■ 27, 12.424, 51.969

■ 27, 12.424, 51.969

■ 100, 12.424,
51.969

■ 17, 12.424, 51.969

■ 47, 12.424, 51.969

■ 7, 12.424, 51.969

■ 57, 12.424, 51.969

■ 0, 12.424, 51.969

■ 67, 12.424, 51.969

■ 77, 12.424, 51.969

■ 87, 12.424, 51.969

■ 97, 12.424, 51.969

■ 27, 12.424, 51.969

■ 27, 12.424, 51.969

■ 25, 16.185, 51.519

■ 29, 8.898, 52.504

■ 24, 20.178, 51.146

■ 31, 5.600, 53.087

■ 22, 24.375, 50.850

■ 33, 2.513, 53.678

■ 20, 28.694, 50.579

■ 34, 0.381, 235.132

■ 19, 32.322, 49.270

■ 36, 3.101, 235.246

■ 18, 35.476, 47.803

■ 38, 5.665, 235.922

■ 18, 35.895, 47.655

■ 40, 8.091, 236.625

■ 42, 10.394,
237.331

■ 44, 12.589,
238.030

Harmonies

Complementary

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



27, 12.424, 51.969



29, 10.111, 238.463

Rectangle

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



27, 12.424, 51.969



27, 12.424, 101.969



27, 12.424, 231.969



27, 12.424, 281.969

Sweetspot

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



27, 12.424, 51.976



41, 4.390, 53.461



25, 19.259, 337.610



21, 2.941, 53.425



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, 12.424, 51.976



34, 18.974, 51.562



32, 16.123, 97.328



15, 1.646, 53.673



24, 46.162, 49.021



54, 87.438, 48.053

Inverse Universe

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



29, 10.111, 238.463



36, 14.588, 239.969



24, 16.910, 286.502



16, 1.582, 235.127



28, 25.673, 257.235



62, 47.732, 261.036

Previews

White Background



This preview shows how the CIELCh color 27, 12.424, 51.969 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, 12.424, 51.969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

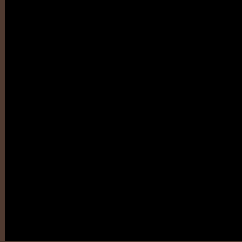
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 12.424, 51.969

Background



This preview shows how black text looks on a background with the CIELCh color 27, 12.424, 51.969.

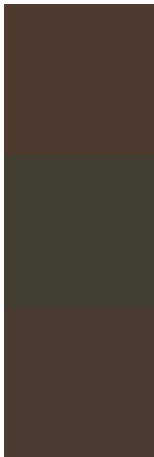


This preview shows how white text looks on a background with the CIELCh color 27, 12.424, 51.969.

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, 12.424, 51.969

Protanopia

27, 8.624, 95.566

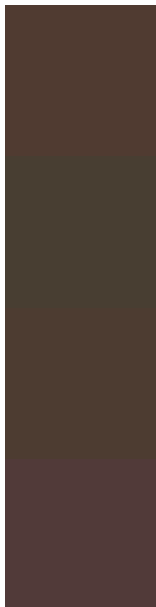
Deuteranopia

27, 10.491, 67.486



Tritanopia
27, 11.573, 5.532

Trichromacy



Original Color
27, 12.424, 51.969

Protanomaly
27, 9.229, 76.663

Deuteranomaly
27, 11.146, 59.826

Tritanomaly
27, 11.023, 24.739

Monochromacy



Original Color
27, 12.424, 51.969

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 4.205, 47.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 12.424, 51.969 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(80, 59, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 59, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 12.424, 51.969 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, 49) }
```

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

```
.border{ border-color:rgb(80, 59, 49) }
```

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, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 59, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 59, 49);  
box-shadow:4px 4px 4px 4px rgb(80, 59, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 12.424, 51.969 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, 49) }
```

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

```
.background{ background-color: rgb(80, 59,  
49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor