

Converting Colors

CIELCh(27, 2.338, 19.778)

Have a look what the booklet for
CIELCh(27, 2.338, 19.778) contains.

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Color

CIELCh(27, 2.270, 19.693)

Conversions

Conversions Part 1

Format	Color
Hex	443F3F
RGB	68, 63, 63
RGB Percent	27%, 25%, 25%
CMY	0.7346, 0.7542, 0.7542
CMYK	0.00, 0.07, 0.07, 0.73
HSL	0°, 4%, 26%
HSV	0°, 7%, 27%
XYZ	5.0108, 5.0937, 5.3762
YIQ	64.4950, 2.9800, 1.0600

Conversions

Conversions Part 2

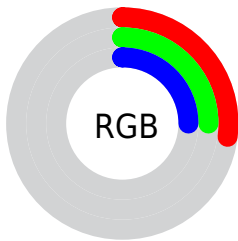
Format	Color
RYB	68, 63, 63
Decimal	4472639
CIELab	27.00, 2.14, 0.76
CIELCh	27, 2.270, 19.693
Yxy	5.0937, 0.3237, 0.3290
Android (android.graphics.Color)	4282662719 (0xFF443F3F)
YUV	64.4950, -0.7370, 3.0739
Hunter-Lab	22.5692, 0.1345, 1.6749

Details

The CIELCh color **27, 2.270, 19.693** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 2.179, 199.185**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 2.051, 19.472**, and **7, 2.030, 19.348** is the 20% darker color. If you saturate the color by 10%, you get **25, 5.533, 20.432**, and if you desaturate by 10%, it is **29, 0.777, 199.634**.

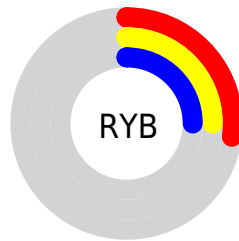
Distribution



Red (27%)

Green (25%)

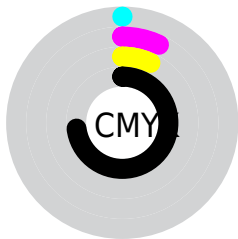
Blue (25%)



Red (27%)

Yellow (25%)

Blue (25%)

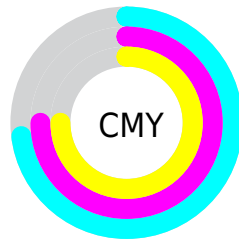


Cyan (0%)

Magenta (7%)

Yellow (7%)

Black (73%)



Cyan (73%)

Magenta (75%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 2.270, 19.693 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, 2.270, 19.693 by changing the saturation by 10% instead.

 27, 2.270, 19.693  27, 2.270, 19.693

100, 2.270, 19.693  17, 2.270, 19.693

 47, 2.270, 19.693  7, 2.270, 19.693

 57, 2.270, 19.693  0, 2.270, 19.693

 67, 2.270, 19.693

















 77, 2.270, 19.693

 87, 2.270, 19.693

 97, 2.270, 19.693

 27, 2.270, 19.693  27, 2.270, 19.693

 25, 5.533, 20.432  29, 0.777, 199.634

 22, 9.022, 21.267	 32, 3.619, 198.954
 20, 12.730, 22.310	 34, 6.275, 198.581
 18, 16.636, 23.627	 36, 8.763, 198.287
 16, 20.691, 25.294	 39, 11.100, 198.046
 15, 24.820, 27.387	 41, 13.303, 197.847
 13, 28.594, 28.792	
 12, 31.560, 29.041	 44, 15.387, 197.680
 11, 34.392, 28.769	 46, 17.367, 197.538
	 48, 19.253, 197.418

Harmonies

Complementary

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



27, 2.270, 19.693



28, 2.179, 199.185

Rectangle

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



27, 2.270, 19.693



27, 2.270, 69.693



27, 2.270, 199.693



27, 2.270, 249.693

Sweetspot

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



27, 2.269, 19.715



37, 0.760, 19.132



27, 3.954, 324.768



19, 0.436, 19.067



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



27, 2.269, 19.715



35, 3.506, 19.859



28, 1.964, 74.544



12, 1.687, 19.794



18, 48.290, 35.267



47, 94.943, 40.002

Inverse Universe

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



28, 2.179, 199.185



37, 3.328, 199.066



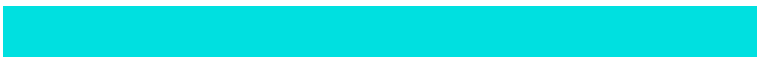
27, 1.939, 256.332



12, 1.610, 199.118



37, 24.661, 196.421



81, 45.484, 196.424

Previews

White Background



This preview shows how the CIE LCh color 27, 2.270, 19.693 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 CIELCh color 27, 2.270, 19.693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

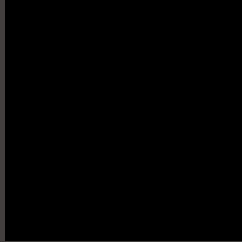
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

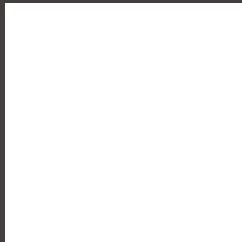
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 2.270, 19.693

Background



This preview shows how black text looks on a background with the CIELCh color 27, 2.270, 19.693.

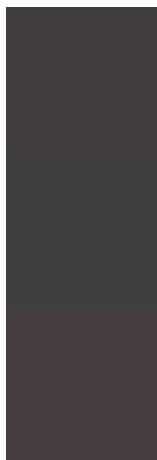


This preview shows how white text looks on a background with the CIELCh color 27, 2.270, 19.693.

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, 2.270, 19.693

Protanopia

27, 0.783, 74.883

Deuteranopia

27, 3.707, 9.951



Tritanopia
27, 4.231, 329.828

Trichromacy



Original Color

27, 2.270, 19.693

Protanomaly

27, 1.105, 55.181

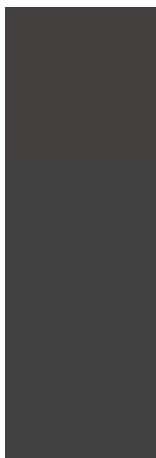
Deuteranomaly

27, 3.254, 8.426

Tritanomaly

27, 3.343, 344.241

Monochromacy



Original Color

27, 2.270, 19.693

Achromatopsia

27, 0.004, 296.813

Achromatomaly

27, 0.449, 18.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 2.270, 19.693 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(68, 63, 63)` looks like.

```
.text, #text, p{  
    color:rgb(68, 63, 63)  
}
```

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(68, 63, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 63, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 2.270, 19.693 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(68, 63, 63) }
```

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

```
.border{ border-color:rgb(68, 63, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 63, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 63, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 63, 63);  
box-shadow:4px 4px 4px 4px rgb(68, 63, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 2.270, 19.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 63, 63) }
```

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

```
.background{ background-color: rgb(68, 63,  
63) }
```

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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