

Converting Colors

CIELCh(27, 0.575, 18.979)

Have a look what the booklet for
CIELCh(27, 0.575, 18.979) contains.

CIELCh(27, 0.449, 18.934)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(27, 0.449, 18.934)

Conversions

Conversions Part 1

Format	Color
Hex	414040
RGB	65, 64, 64
RGB Percent	25%, 25%, 25%
CMY	0.7468, 0.7507, 0.7507
CMYK	0.00, 0.02, 0.02, 0.75
HSL	0°, 1%, 25%
HSV	0°, 2%, 25%
XYZ	4.8747, 5.0937, 5.5135
YIQ	64.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

Format	Color
RYB	65, 64, 64
Decimal	4276288
CIELab	27.00, 0.42, 0.15
CIELCh	27, 0.449, 18.934
Yxy	5.0937, 0.3149, 0.3290
Android (android.graphics.Color)	4282466368 (0xFF414040)
YUV	64.2990, -0.1474, 0.6148
Hunter-Lab	22.5692, -0.9416, 1.3142

Details

The CIELCh color **27, 0.449, 18.934** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **27, 0.444, 199.990**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 0.408, 18.567**, and **7, 0.498, 19.156** is the 20% darker color. If you saturate the color by 10%, you get **25, 3.459, 20.081**, and if you desaturate by 10%, it is **29, 2.362, 199.240**.

Distribution



Red (25%)

Green (25%)

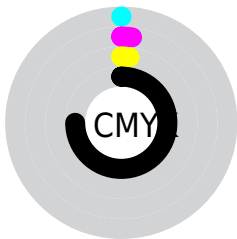
Blue (25%)



Red (25%)

Yellow (25%)

Blue (25%)



Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (75%)



Cyan (75%)

Magenta (75%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 0.449, 18.934 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, 0.449, 18.934 by changing the saturation by 10% instead.

■ 27, 0.449, 18.934

■ 27, 0.449, 18.934

100, 0.449, 18.934

■ 17, 0.449, 18.934

■ 47, 0.449, 18.934

■ 7, 0.449, 18.934

■ 57, 0.449, 18.934

■ 0, 0.449, 18.934

■ 67, 0.449, 18.934

■ 77, 0.449, 18.934

■ 87, 0.449, 18.934

■ 97, 0.449, 18.934

■ 27, 0.449, 18.934

■ 27, 0.449, 18.934

■ 25, 3.459, 20.081

■ 29, 2.362, 199.240

23, 6.681, 20.820	32, 4.987, 198.816
20, 10.117, 21.718	34, 7.445, 198.497
18, 13.757, 22.845	36, 9.752, 198.239
17, 17.571, 24.269	38, 11.924, 198.026
15, 21.505, 26.064	41, 13.977, 197.848
13, 25.375, 27.864	43, 15.924, 197.699
12, 28.610, 28.314	45, 17.777, 197.572
11, 31.309, 28.093	47, 19.547, 197.463

Harmonies

Complementary

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



27, 0.449, 18.934



27, 0.444, 199.990

Rectangle

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



27, 0.449, 18.934



27, 0.449, 68.934



27, 0.449, 198.934



27, 0.449, 248.934

Sweetspot

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



27, 0.448, 19.037



36, 0.005, 296.813



27, 0.797, 324.371



18, 0.003, 296.813



70, 0.009, 296.813

Same Dimension

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



27, 0.448, 19.037



35, 0.723, 19.208



27, 0.389, 74.833



13, 0.330, 19.098



18, 48.275, 35.296



47, 94.930, 40.010

Inverse Universe

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



27, 0.444, 199.990



36, 0.714, 199.821



27, 0.394, 256.000



13, 0.326, 199.930



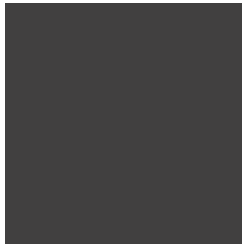
37, 24.629, 196.562



81, 45.419, 196.576

Previews

White Background



This preview shows how the CIELCh color 27, 0.449, 18.934 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, 0.449, 18.934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

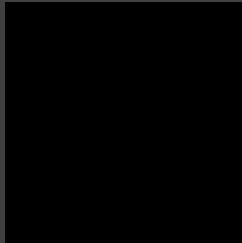
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

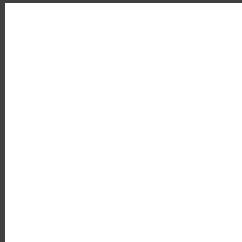
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 27, 0.449, 18.934

Background



This preview shows how black text looks on a background with the CIELCh color 27, 0.449, 18.934.



This preview shows how white text looks on a background with the CIELCh color 27, 0.449, 18.934.

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, 0.449, 18.934

Protanopia

27, 1.117, 343.707

Deuteranopia

27, 3.860, 0.430



Tritanopia
27, 3.389, 305.813

Trichromacy



Original Color

27, 0.449, 18.934

Protanomaly

27, 1.117, 343.707

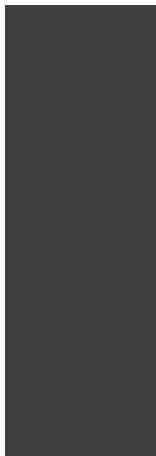
Deuteranomaly

27, 2.355, 3.746

Tritanomaly

27, 2.160, 314.797

Monochromacy



Original Color

27, 0.449, 18.934

Achromatopsia

27, 0.004, 296.813

Achromatomaly

27, 0.004, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 0.449, 18.934 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(65, 64, 64)` looks like.

```
.text, #text, p{  
    color:rgb(65, 64, 64)  
}
```

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(65, 64, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 64, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 0.449, 18.934 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(65, 64, 64) }
```

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

```
.border{ border-color:rgb(65, 64, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 64, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 64, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 64, 64);  
box-shadow:4px 4px 4px 4px rgb(65, 64, 64)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 0.449, 18.934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 64, 64) }
```

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

```
.background{ background-color: rgb(65, 64,  
64) }
```

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