

Converting Colors

CIELCh(29, 3.459, 314.723)

Have a look what the booklet for
CIELCh(29, 3.459, 314.723) contains.

CIELCh(29, 3.686, 319.056)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(29, 3.686, 319.056)

Conversions

Conversions Part 1

Format	Color
Hex	474348
RGB	71, 67, 72
RGB Percent	28%, 26%, 28%
CMY	0.7212, 0.7369, 0.7173
CMYK	0.01, 0.07, 0.00, 0.72
HSL	288°, 4%, 27%
HSV	288°, 7%, 28%
XYZ	5.7912, 5.8380, 6.9690
YIQ	68.7660, 0.7790, 2.4030

Conversions

Conversions Part 2

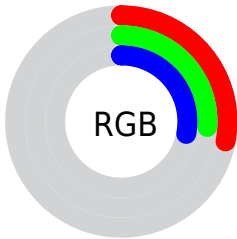
Format	Color
RYB	71, 67, 72
Decimal	4670280
CIELab	29.00, 2.78, -2.42
CIELCh	29, 3.686, 319.056
Yxy	5.8380, 0.3114, 0.3139
Android (android.graphics.Color)	4282860360 (0xFF474348)
YUV	68.7660, 1.5944, 1.9592
Hunter-Lab	24.1619, 0.5002, -0.1875

Details

The CIELCh color **29, 3.686, 319.056** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **30, 3.667, 138.558**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 3.368, 318.943**, and **9, 4.256, 319.345** is the 20% darker color. If you saturate the color by 10%, you get **27, 9.066, 319.469**, and if you desaturate by 10%, it is **31, 1.607, 138.757**.

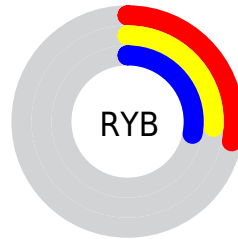
Distribution



Red (28%)

Green (26%)

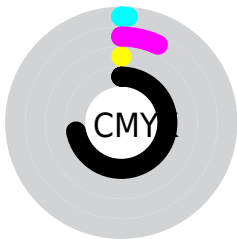
Blue (28%)



Red (28%)

Yellow (26%)

Blue (28%)

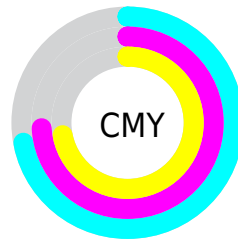


Cyan (1%)

Magenta (7%)

Yellow (0%)

Black (72%)



Cyan (72%)

Magenta (74%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 3.686, 319.056 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 29, 3.686, 319.056 by changing the saturation by 10% instead.

■ 29, 3.686, 319.056

■ 29, 3.686, 319.056

■ 100, 3.686,
319.056

■ 19, 3.686, 319.056

■ 49, 3.686, 319.056

■ 9, 3.686, 319.056

■ 59, 3.686, 319.056

■ 0, 3.686, 319.056

■ 69, 3.686, 319.056

■ 79, 3.686, 319.056

■ 89, 3.686, 319.056

■ 99, 3.686, 319.056

■ 29, 3.686, 319.056

■ 29, 3.686, 319.056

27, 9.066, 319.469

31, 1.607, 138.757

24, 14.500,
319.873

34, 6.785, 138.337

22, 19.927,
320.265

36, 11.839,
137.979

20, 25.263,
320.630

39, 16.762,
137.645

18, 30.388,
320.950

41, 21.552,
137.336

16, 35.147,
321.198

43, 26.213,
137.049

15, 39.349,
321.343

46, 30.748,
136.786

13, 42.799,
321.355

48, 35.162,
136.544

12, 46.111,
321.374

51, 39.461,
136.322

Harmonies

Complementary

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



29, 3.686, 319.056



30, 3.667, 138.558

Rectangle

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



29, 3.686, 319.056



29, 3.686, 9.056



29, 3.686, 139.056



29, 3.686, 189.056

Sweetspot

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



29, 3.685, 319.055



39, 1.326, 318.801



29, 2.559, 280.144



20, 0.760, 318.781



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



29, 3.685, 319.055



38, 5.319, 319.114



29, 3.209, 333.984



13, 2.940, 319.125



18, 58.940, 321.106



46, 107.882, 320.610

Inverse Universe

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



29, 2.330, 3.708



38, 3.371, 3.845



30, 3.195, 153.252



13, 1.864, 3.870



19, 45.258, 25.809



48, 85.690, 30.237

Previews

White Background



This preview shows how the CIELCh color 29, 3.686, 319.056 looks on a white background.

Color Contrast Check

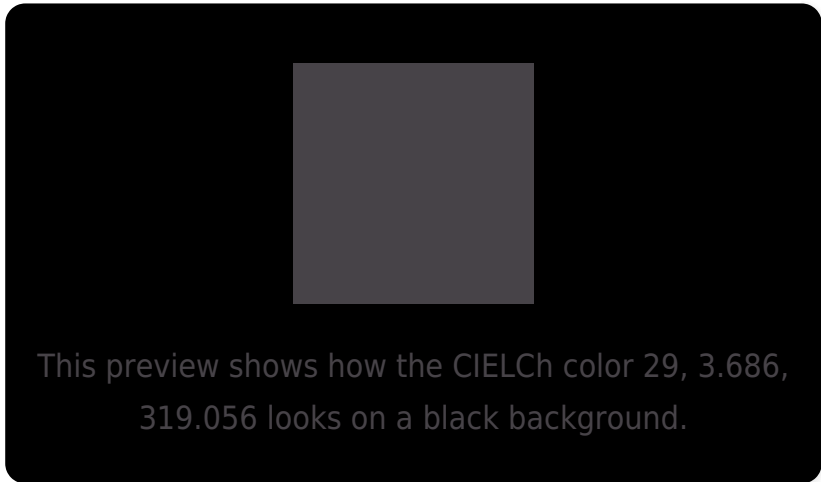
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

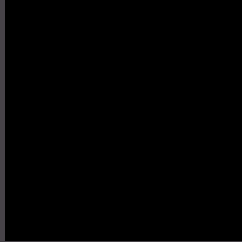
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 3.686, 319.056

Background



This preview shows how black text looks on a background with the CIELCh color 29, 3.686, 319.056.



This preview shows how white text looks on a background with the CIELCh color 29, 3.686, 319.056.

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


29, 3.686, 319.056

Protanopia

29, 3.222, 290.800

Deuteranopia

29, 4.963, 329.091



Tritanopia
29, 3.686, 319.056

Trichromacy



Original Color

29, 3.686, 319.056

Protanomaly

29, 3.257, 298.418

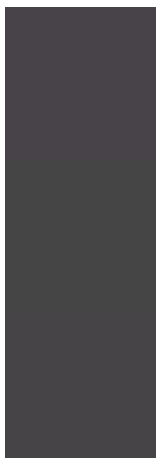
Deuteranomaly

29, 4.702, 324.822

Tritanomaly

29, 3.686, 319.056

Monochromacy



Original Color

29, 3.686, 319.056

Achromatopsia

29, 0.005, 296.813

Achromatomaly

29, 1.571, 324.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 3.686, 319.056 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(71, 67, 72)` looks like.

```
.text, #text, p{  
    color:rgb(71, 67, 72)  
}
```

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(71, 67, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 67, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 3.686, 319.056 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(71, 67, 72) }
```

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

```
.border{ border-color:rgb(71, 67, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 67, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 67, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 67, 72);  
box-shadow:4px 4px 4px 4px rgb(71, 67, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 3.686, 319.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 67, 72) }
```

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

```
.background{ background-color: rgb(71, 67,  
72) }
```

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