

Converting Colors

CIELCh(29, 3.996, 337.682)

Have a look what the booklet for
CIELCh(29, 3.996, 337.682) contains.

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Color

CIELCh(29, 3.711, 336.135)

Conversions

Conversions Part 1

Format	Color
Hex	494347
RGB	73, 67, 71
RGB Percent	29%, 26%, 28%
CMY	0.7148, 0.7383, 0.7227
CMYK	0.00, 0.08, 0.03, 0.71
HSL	320°, 4%, 27%
HSV	320°, 8%, 29%
XYZ	5.8452, 5.8380, 6.7328
YIQ	69.2500, 2.2920, 2.5160

Conversions

Conversions Part 2

Format	Color
RYP	73, 67, 71
Decimal	4801351
CIELab	29.00, 3.39, -1.50
CIElCh	29, 3.711, 336.135
Yxy	5.8380, 0.3174, 0.3170
Android (android.graphics.Color)	4282991431 (0xFF494347)
YUV	69.2500, 0.8628, 3.2887
Hunter-Lab	24.1619, 0.8990, 0.3920

Details

The CIELCh color **29, 3.711, 336.135** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **30, 3.690, 155.187**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 3.693, 340.343**, and **9, 3.929, 331.280** is the 20% darker color. If you saturate the color by 10%, you get **27, 8.265, 336.823**, and if you desaturate by 10%, it is **31, 0.778, 155.781**.

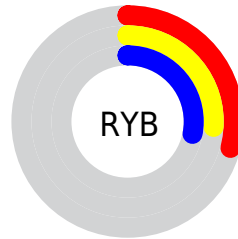
Distribution



Red (29%)

Green (26%)

Blue (28%)



Red (29%)

Yellow (26%)

Blue (28%)

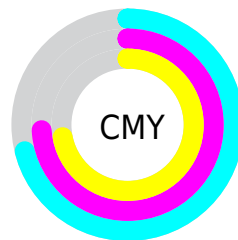


Cyan (0%)

Magenta (8%)

Yellow (3%)

Black (71%)



Cyan (71%)

Magenta (74%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 3.711, 336.135 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, 3.711, 336.135 by changing the saturation by 10% instead.

■ 29, 3.711, 336.135

■ 29, 3.711, 336.135

■ 100, 3.711,
336.135

■ 19, 3.711, 336.135

■ 49, 3.711, 336.135

■ 9, 3.711, 336.135

■ 59, 3.711, 336.135

■ 0, 3.711, 336.135

■ 69, 3.711, 336.135

■ 79, 3.711, 336.135

■ 89, 3.711, 336.135

■ 99, 3.711, 336.135

■ 29, 3.711, 336.135

■ 29, 3.711, 336.135

27, 8.265, 336.823

31, 0.778, 155.781

25, 12.841,
337.533

34, 5.170, 155.010

22, 17.367,
338.291

36, 9.450, 154.442

20, 21.743,
339.108

38, 13.611,
153.914

19, 25.836,
340.003

41, 17.652,
153.417

17, 29.480,
341.000

43, 21.575,
152.949

16, 32.496,
342.136

46, 25.386,
152.507

15, 34.738,
343.453

48, 29.089,
152.089

14, 36.898,
344.728

50, 32.693,
151.694

Harmonies

Complementary

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



29, 3.711, 336.135



30, 3.690, 155.187

Rectangle

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



29, 3.711, 336.135



29, 3.711, 26.135



29, 3.711, 156.135



29, 3.711, 206.135

Sweetspot

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



29, 3.710, 336.138



39, 1.114, 335.615



29, 3.980, 303.449



20, 0.639, 335.578



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, 3.710, 336.138



37, 5.593, 336.285



29, 2.768, 6.398



13, 2.470, 336.160



20, 45.860, 345.957



50, 82.610, 347.766

Inverse Universe

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



29, 3.710, 336.138



37, 5.593, 336.285



30, 2.680, 185.288



13, 2.470, 336.160



20, 45.860, 345.957



50, 82.610, 347.766

Previews

White Background



This preview shows how the CIELCh color 29, 3.711, 336.135 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 29, 3.711, 336.135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

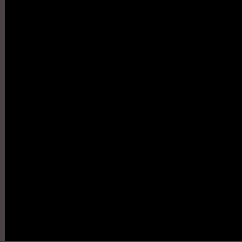
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 3.711, 336.135

Background



This preview shows how black text looks on a background with the CIELCh color 29, 3.711, 336.135.

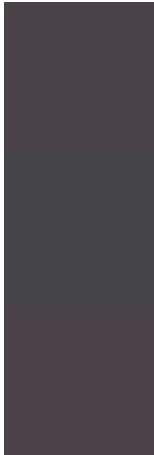


This preview shows how white text looks on a background with the CIELCh color 29, 3.711, 336.135.

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, 3.711, 336.135

Protanopia

29, 1.989, 303.237

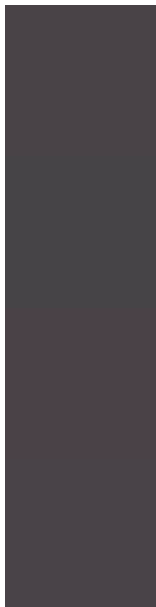
Deuteranopia

29, 4.802, 338.163



Tritanopia
29, 4.180, 329.799

Trichromacy



Original Color

29, 3.711, 336.135

Protanomaly

29, 2.133, 314.785

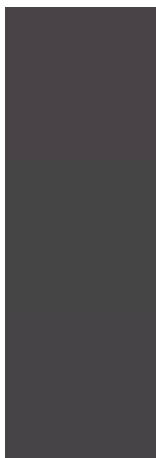
Deuteranomaly

29, 4.802, 338.163

Tritanomaly

29, 4.180, 329.799

Monochromacy



Original Color

29, 3.711, 336.135

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, 3.711, 336.135 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(73, 67, 71)` looks like.

```
.text, #text, p{  
    color:rgb(73, 67, 71)  
}
```

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(73, 67, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 67, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 3.711, 336.135 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(73, 67, 71) }
```

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

```
.border{ border-color:rgb(73, 67, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 67, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 67, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 67, 71);  
box-shadow:4px 4px 4px 4px rgb(73, 67, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 3.711, 336.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 67, 71) }
```

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

```
.background{ background-color: rgb(73, 67,  
71) }
```

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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