

Converting Colors

CIELCh(29, 3.406, 346.508)

Have a look what the booklet for
CIELCh(29, 3.406, 346.508) contains.

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Color

CIELCh(29, 3.301, 344.199)

Conversions

Conversions Part 1

Format	Color
Hex	494346
RGB	73, 67, 70
RGB Percent	29%, 26%, 27%
CMY	0.7145, 0.7380, 0.7263
CMYK	0.00, 0.08, 0.04, 0.71
HSL	330°, 4%, 27%
HSV	330°, 8%, 29%
XYZ	5.8259, 5.8380, 6.5801
YIQ	69.1360, 2.6130, 2.2050

Conversions

Conversions Part 2

Format	Color
RYB	73, 67, 70
Decimal	4801350
CIELab	29.00, 3.18, -0.90
CIELCh	29, 3.301, 344.199
Yxy	5.8380, 0.3193, 0.3200
Android (android.graphics.Color)	4282991430 (0xFF494346)
YUV	69.1360, 0.4260, 3.3887
Hunter-Lab	24.1619, 0.7565, 0.7668

Details

The CIELCh color **29, 3.301, 344.199** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **30, 3.265, 163.107**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 3.352, 348.078**, and **9, 3.411, 339.549** is the 20% darker color. If you saturate the color by 10%, you get **27, 7.382, 345.039**, and if you desaturate by 10%, it is **31, 0.694, 163.817**.

Distribution



Red (29%)

Green (26%)

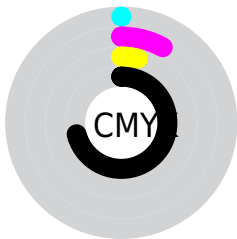
Blue (27%)



Red (29%)

Yellow (26%)

Blue (27%)



Cyan (0%)

Magenta (8%)

Yellow (4%)

Black (71%)



Cyan (71%)

Magenta (74%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 3.301, 344.199 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, 3.301, 344.199 by changing the saturation by 10% instead.

■ 29, 3.301, 344.199

■ 29, 3.301, 344.199

■ 100, 3.301,
344.199

■ 19, 3.301, 344.199

■ 49, 3.301, 344.199

■ 9, 3.301, 344.199

■ 59, 3.301, 344.199

■ 0, 3.301, 344.199

■ 69, 3.301, 344.199

■ 79, 3.301, 344.199

■ 89, 3.301, 344.199

■ 99, 3.301, 344.199

■ 29, 3.301, 344.199

■ 29, 3.301, 344.199

27, 7.382, 345.039

31, 0.694, 163.817

24, 11.514,
345.933

34, 4.579, 162.901

22, 15.638,
346.925

36, 8.346, 162.258

20, 19.665,
348.048

39, 11.992,
161.670

18, 23.475,
349.344

41, 15.519,
161.125

17, 26.915,
350.870

43, 18.932,
160.617

15, 29.814,
352.706

46, 22.238,
160.141

14, 32.038,
354.937

48, 25.444,
159.695

13, 34.256,
357.093

51, 28.556,
159.276

Harmonies

Complementary

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



29, 3.301, 344.199



30, 3.265, 163.107

Rectangle

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



29, 3.301, 344.199



29, 3.301, 34.199



29, 3.301, 164.199



29, 3.301, 214.199

Sweetspot

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



29, 3.300, 344.205



39, 0.989, 343.568



29, 4.099, 309.380



20, 0.567, 343.523



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, 3.300, 344.205



37, 4.980, 344.383



29, 2.700, 19.764



13, 2.198, 344.232



20, 42.730, 359.322



49, 77.525, 2.640

Inverse Universe

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



29, 3.300, 344.205



37, 4.980, 344.383



30, 2.578, 199.106



13, 2.198, 344.232



20, 42.730, 359.322



49, 77.525, 2.640

Previews

White Background



This preview shows how the CIELCh color 29, 3.301, 344.199 looks on a white background.

Color Contrast Check

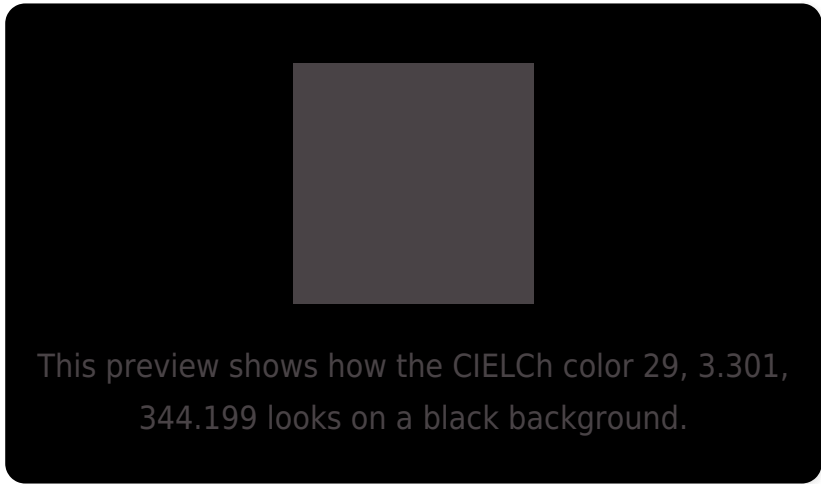
Large Text (above 18pt) WCAG AA ✓ Pass

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

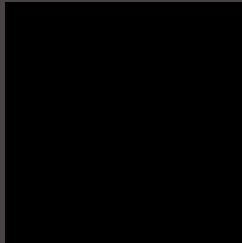
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 3.301, 344.199

Background



This preview shows how black text looks on a background with the CIELCh color 29, 3.301, 344.199.



This preview shows how white text looks on a background with the CIELCh color 29, 3.301, 344.199.

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, 3.301, 344.199

Protanopia

29, 1.989, 303.237

Deuteranopia

29, 4.404, 344.416



Tritanopia
29, 4.963, 329.091

Trichromacy



Original Color

29, 3.301, 344.199

Protanomaly

29, 2.133, 314.785

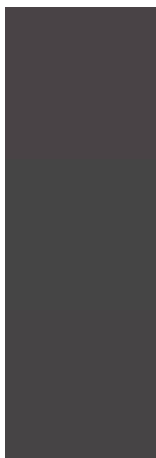
Deuteranomaly

29, 4.404, 344.416

Tritanomaly

29, 4.484, 334.255

Monochromacy



Original Color

29, 3.301, 344.199

Achromatopsia

29, 0.005, 296.813

Achromatomaly

29, 1.103, 343.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 3.301, 344.199 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(73, 67, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 67, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 3.301, 344.199 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, 70) }
```

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

```
.border{ border-color:rgb(73, 67, 70) }
```

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, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 67, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 67, 70);  
box-shadow:4px 4px 4px 4px rgb(73, 67, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 3.301, 344.199 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, 70) }
```

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

```
.background{ background-color: rgb(73, 67,  
70) }
```

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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