

Converting Colors

CIELCh(29, 0.898, 26.380)

Have a look what the booklet for
CIELCh(29, 0.898, 26.380) contains.

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Color

CIELCh(29, 0.890, 19.265)

Conversions

Conversions Part 1

Format	Color
Hex	464444
RGB	70, 68, 68
RGB Percent	27%, 27%, 27%
CMY	0.7259, 0.7337, 0.7337
CMYK	0.00, 0.03, 0.03, 0.73
HSL	0°, 1%, 27%
HSV	0°, 3%, 27%
XYZ	5.6213, 5.8380, 6.2847
YIQ	68.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

Format	Color
R_{YB}	70, 68, 68
Decimal	4604996
CIE Lab	29.00, 0.84, 0.29
CIE LCh	29, 0.890, 19.265
Yxy	5.8380, 0.3168, 0.3290
Android (android.graphics.Color)	4282795076 (0xFF464444)
YUV	68.5980, -0.2948, 1.2296
Hunter-Lab	24.1619, -0.7555, 1.4916

Details

The CIELCh color **29, 0.890, 19.265** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **30, 0.875, 199.619**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 0.810, 19.041**, and **9, 1.038, 19.580** is the 20% darker color. If you saturate the color by 10%, you get **27, 4.140, 20.142**, and if you desaturate by 10%, it is **31, 2.142, 199.261**.

Distribution



Red (27%)

Green (27%)

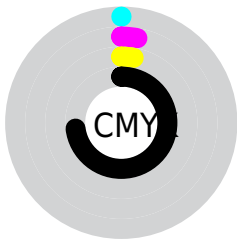
Blue (27%)



Red (27%)

Yellow (27%)

Blue (27%)



Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (73%)



Cyan (73%)

Magenta (73%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 0.890, 19.265 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, 0.890, 19.265 by changing the saturation by 10% instead.

■ 29, 0.890, 19.265 ■ 29, 0.890, 19.265

100, 0.890, 19.265 ■ 19, 0.890, 19.265

■ 49, 0.890, 19.265 ■ 9, 0.890, 19.265

■ 59, 0.890, 19.265 ■ 0, 0.890, 19.265

■ 69, 0.890, 19.265

■ 79, 0.890, 19.265

■ 89, 0.890, 19.265

■ 99, 0.890, 19.265

■ 29, 0.890, 19.265 ■ 29, 0.890, 19.265

■ 27, 4.140, 20.142 ■ 31, 2.142, 199.261

24, 7.620, 20.911	34, 4.970, 198.807
22, 11.331, 21.859	36, 7.615, 198.475
20, 15.259, 23.054	39, 10.094, 198.207
18, 19.366, 24.568	41, 12.427, 197.987
16, 23.587, 26.482	44, 14.629, 197.804
14, 27.768, 28.636	46, 16.715, 197.650
13, 31.242, 29.504	48, 18.699, 197.520
12, 34.074, 29.592	51, 20.593, 197.408

Harmonies

Complementary

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



29, 0.890, 19.265



30, 0.875, 199.619

Rectangle

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



29, 0.890, 19.265



29, 0.890, 69.265



29, 0.890, 199.265



29, 0.890, 249.265

Sweetspot

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



29, 0.889, 19.320



39, 0.388, 18.710



29, 1.571, 324.503



19, 0.217, 18.596



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



29, 0.889, 19.320



38, 1.170, 19.359



29, 0.773, 74.889



14, 0.707, 19.402



19, 49.391, 35.641



47, 95.749, 40.006

Inverse Universe

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



30, 0.875, 199.619



39, 1.149, 199.581



29, 0.775, 255.953



14, 0.693, 199.540



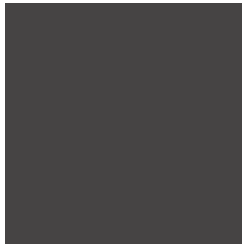
38, 25.099, 196.484



82, 45.844, 196.491

Previews

White Background



This preview shows how the CIELCh color 29, 0.890, 19.265 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, 0.890, 19.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

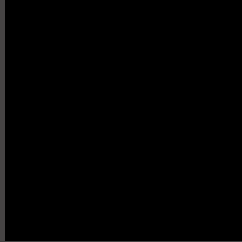
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 0.890, 19.265

Background



This preview shows how black text looks on a background with the CIELCh color 29, 0.890, 19.265.

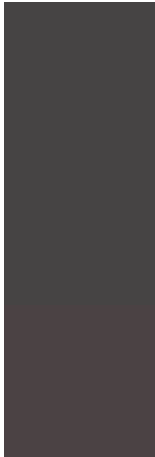


This preview shows how white text looks on a background with the CIELCh color 29, 0.890, 19.265.

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, 0.890, 19.265

Protanopia

29, 0.890, 19.265

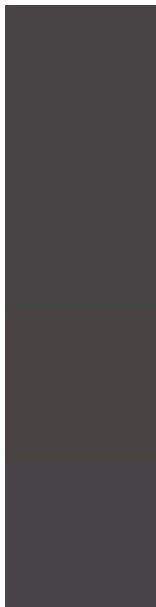
Deuteranopia

29, 4.252, 2.543



Tritanopia
29, 3.686, 319.056

Trichromacy



Original Color

29, 0.890, 19.265

Protanomaly

29, 0.890, 19.265

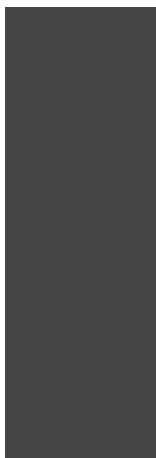
Deuteranomaly

29, 2.768, 6.396

Tritanomaly

29, 3.138, 324.677

Monochromacy



Original Color

29, 0.890, 19.265

Achromatopsia

29, 0.005, 296.813

Achromatomaly

29, 0.005, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 0.890, 19.265 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(70, 68, 68)` looks like.

```
.text, #text, p{  
    color:rgb(70, 68, 68)  
}
```

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(70, 68, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 68, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 0.890, 19.265 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(70, 68, 68) }
```

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

```
.border{ border-color:rgb(70, 68, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 68, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 68, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 68, 68);  
box-shadow:4px 4px 4px 4px rgb(70, 68, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 0.890, 19.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 68, 68) }
```

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

```
.background{ background-color: rgb(70, 68,  
68) }
```

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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