

Converting Colors

CIELCh(29, 0.349, 10.513)

Have a look what the booklet for
CIELCh(29, 0.349, 10.513) contains.

CIELCh(29, 0.444, 18.902)	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(29, 0.444, 18.902)

Conversions

Conversions Part 1

Format	Color
Hex	454444
RGB	69, 68, 68
RGB Percent	27%, 27%, 27%
CMY	0.7289, 0.7328, 0.7328
CMYK	0.00, 0.01, 0.01, 0.73
HSL	0°, 1%, 27%
HSV	0°, 1%, 27%
XYZ	5.5850, 5.8380, 6.3213
YIQ	68.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

Format	Color
R_{YB}	69, 68, 68
Decimal	4539460
CIE Lab	29.00, 0.42, 0.14
CIE LCh	29, 0.444, 18.902
Yxy	5.8380, 0.3147, 0.3290
Android (android.graphics.Color)	4282729540 (0xFF454444)
YUV	68.2990, -0.1474, 0.6148
Hunter-Lab	24.1619, -1.0236, 1.4018

Details

The CIELCh color $[29, 0.444, 18.902]$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $[29, 0.439, 200.037]$, and the grayscale version is $[29, 0.005, 296.813]$.

A 20% lighter version of the original color is $[49, 0.405, 18.537]$, and $[9, 0.516, 19.286]$ is the 20% darker color. If you saturate the color by 10%, you get $[27, 3.629, 20.094]$, and if you desaturate by 10%, it is $[31, 2.528, 199.240]$.

Distribution



Red (27%)

Green (27%)

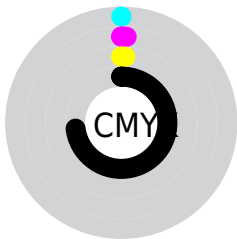
Blue (27%)



Red (27%)

Yellow (27%)

Blue (27%)



Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (73%)



Cyan (73%)

Magenta (73%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 0.444, 18.902 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, 0.444, 18.902 by changing the saturation by 10% instead.

■ 29, 0.444, 18.902 ■ 29, 0.444, 18.902

100, 0.444, 18.902 ■ 19, 0.444, 18.902

■ 49, 0.444, 18.902 ■ 9, 0.444, 18.902

■ 59, 0.444, 18.902 ■ 0, 0.444, 18.902

■ 69, 0.444, 18.902

■ 79, 0.444, 18.902

■ 89, 0.444, 18.902

■ 99, 0.444, 18.902

■ 29, 0.444, 18.902 ■ 29, 0.444, 18.902

■ 27, 3.629, 20.094 ■ 31, 2.528, 199.240

24, 7.042, 20.842	34, 5.302, 198.815
22, 10.683, 21.754	36, 7.896, 198.495
20, 14.542, 22.903	39, 10.330, 198.237
18, 18.586, 24.358	41, 12.621, 198.025
16, 22.754, 26.198	
14, 26.927, 28.363	43, 14.785, 197.847
13, 30.474, 29.321	46, 16.837, 197.698
12, 33.310, 29.427	
	48, 18.789, 197.572
	51, 20.652, 197.464

Harmonies

Complementary

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



29, 0.444, 18.902



29, 0.439, 200.037

Rectangle

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



29, 0.444, 18.902



29, 0.444, 68.902



29, 0.444, 198.902



29, 0.444, 248.902

Sweetspot

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



29, 0.443, 19.011



38, 0.005, 296.813



29, 0.788, 324.359



19, 0.004, 296.813



71, 0.009, 296.813

Same Dimension

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



29, 0.443, 19.011



37, 0.759, 19.222



29, 0.385, 74.817



14, 0.351, 19.121



19, 49.381, 35.660



47, 95.741, 40.011

Inverse Universe

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



29, 0.439, 200.037



38, 0.749, 199.827



29, 0.390, 256.015



14, 0.347, 199.927



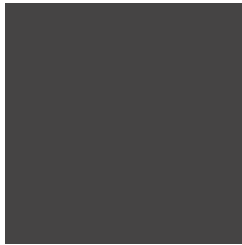
38, 25.076, 196.581



82, 45.799, 196.595

Previews

White Background



This preview shows how the CIELCh color 29, 0.444, 18.902 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, 0.444, 18.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

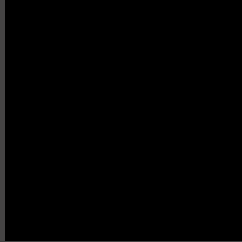
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

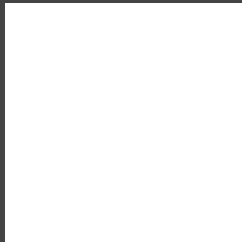
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 29, 0.444, 18.902

Background



This preview shows how black text looks on a background with the CIELCh color 29, 0.444, 18.902.

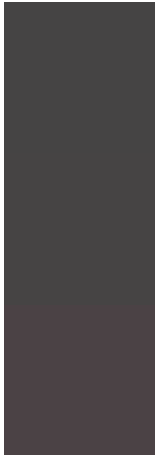


This preview shows how white text looks on a background with the CIELCh color 29, 0.444, 18.902.

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, 0.444, 18.902

Protanopia

29, 0.890, 19.265

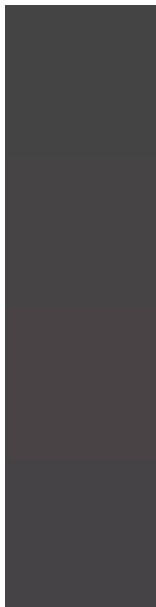
Deuteranopia

29, 4.474, 354.664



Tritanopia
29, 4.101, 309.380

Trichromacy



Original Color

29, 0.444, 18.902

Protanomaly

29, 0.890, 19.265

Deuteranomaly

29, 2.977, 354.299

Tritanomaly

29, 2.912, 317.475

Monochromacy



Original Color

29, 0.444, 18.902

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, 0.444, 18.902 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(69, 68, 68)` looks like.

```
.text, #text, p{  
    color:rgb(69, 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(69, 68, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 68, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 0.444, 18.902 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(69, 68, 68) }
```

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

```
.border{ border-color:rgb(69, 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(69, 68, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 68, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 68, 68);  
box-shadow:4px 4px 4px 4px rgb(69, 68, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 0.444, 18.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 68, 68) }
```

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

```
.background{ background-color: rgb(69, 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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