

Converting Colors

CIELCh(28, 29.611, 127.892)

Have a look what the booklet for
CIELCh(28, 29.611, 127.892)
contains.

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Color

CIELCh(28, 29.939, 127.736)

Conversions

Conversions Part 1

Format	Color
Hex	31491C
RGB	49, 73, 28
RGB Percent	19%, 29%, 11%
CMY	0.8089, 0.7148, 0.8912
CMYK	0.33, 0.00, 0.62, 0.71
HSL	92°, 45%, 20%
HSV	92°, 62%, 29%
XYZ	3.8242, 5.4574, 1.9342
YIQ	60.6940, 0.1410, -19.0830

Conversions

Conversions Part 2

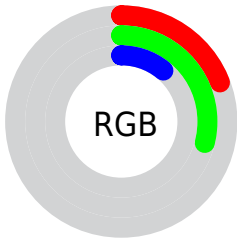
Format	Color
R_{YB}	28, 73, 52
Decimal	3229980
CIE _{Lab}	28.00, -18.32, 23.68
CIE _{LCh}	28, 29.939, 127.736
Yxy	5.4574, 0.3410, 0.4866
Android (android.graphics.Color)	4281420060 (0xFF31491C)
YUV	60.6940, -16.1181, -10.2556
Hunter-Lab	23.3610, -11.6613, 11.4436

Details

The CIELCh color **28, 29.939, 127.736** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **16, 32.278, 312.879**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 30.207, 127.631**, and **8, 21.034, 144.425** is the 20% darker color. If you saturate the color by 10%, you get **28, 34.131, 127.504**, and if you desaturate by 10%, it is **28, 25.415, 128.087**.

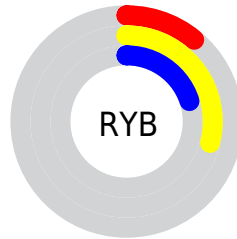
Distribution



Red (19%)

Green (29%)

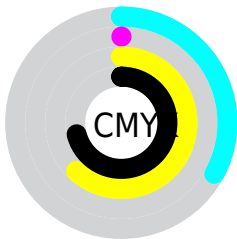
Blue (11%)



Red (11%)

Yellow (29%)

Blue (20%)

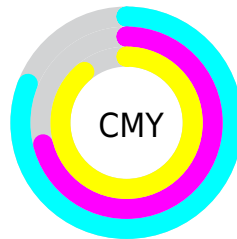


Cyan (33%)

Magenta (0%)

Yellow (62%)

Black (71%)



Cyan (81%)


Magenta (71%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 29.939, 127.736 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 28, 29.939, 127.736 by changing the saturation by 10% instead.

 28, 29.939,
127.736

 28, 29.939,
127.736

 100, 29.939,
127.736

 18, 29.939,
127.736


 48, 29.939,
127.736


 8, 29.939, 127.736

 58, 29.939,
127.736

 0, 29.939, 127.736

 68, 29.939,
127.736

 78, 29.939,
127.736

 88, 29.939,
127.736

 98, 29.939,

127.736

■ 28, 29.939,
127.736

■ 28, 29.939,
127.736

■ 28, 34.131,
127.504

■ 28, 25.415,
128.087

■ 27, 37.838,
127.464

■ 29, 20.672,
128.497

■ 27, 41.055,
127.586

■ 29, 15.798,
128.931

■ 27, 43.754,
127.500

■ 30, 10.852,
129.363

■ 30, 5.880, 129.783

■ 31, 0.913, 130.231

■ 31, 4.024, 310.507

■ 32, 8.915, 310.847

■ 33, 13.746,
311.150

Harmonies

Complementary

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



28, 29.939, 127.736



16, 32.278, 312.879

Rectangle

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



28, 29.939, 127.736



28, 29.939, 177.736



28, 29.939, 307.736



28, 29.939, 357.736

Sweetspot

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



28, 29.940, 127.737



39, 11.708, 129.453



23, 19.745, 71.701



19, 8.126, 129.388



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



28, 29.940, 127.737



36, 43.081, 127.454



27, 33.498, 140.587



14, 2.719, 129.918



37, 54.740, 128.145



81, 101.185, 129.324

Inverse Universe

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



16, 32.278, 312.879



18, 47.309, 313.340



19, 33.188, 328.271



13, 2.749, 310.546



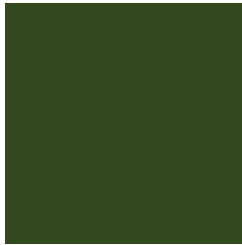
14, 61.749, 313.352



37, 113.592, 312.537

Previews

White Background



This preview shows how the CIELCh color 28, 29.939, 127.736 looks on a white background.

Color Contrast Check

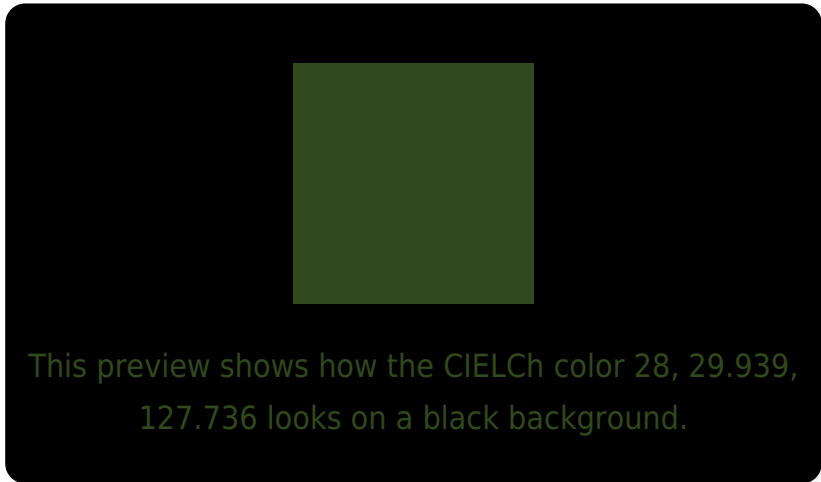
Large Text (above 18pt) WCAG AA ✓ Pass

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

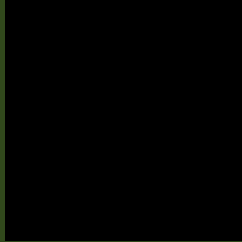
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 29.939, 127.736

Background



This preview shows how black text looks on a background with the CIELCh color 28, 29.939, 127.736.



This preview shows how white text looks on a background with the CIELCh color 28, 29.939, 127.736.

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](#).

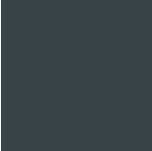
Dichromacy



Original Color
28, 29.939, 127.736

Protanopia
28, 25.240, 95.618

Deuteranopia
28, 22.630, 81.347



Tritanopia
28, 6.480, 235.779

Trichromacy



Original Color
28, 29.939, 127.736

Protanomaly
28, 25.376, 108.643

Deuteranomaly
28, 23.137, 103.009

Tritanomaly
28, 11.380, 150.231

Monochromacy



Original Color
28, 29.939, 127.736

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 11.812, 129.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 29.939, 127.736 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(49, 73, 28)` looks like.

```
.text, #text, p{  
    color:rgb(49, 73, 28)  
}
```

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(49, 73, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 73, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 29.939, 127.736 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(49, 73, 28) }
```

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

```
.border{ border-color:rgb(49, 73, 28) }
```

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

Here you see how a box with a 4 pixel rgb(49, 73, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 73, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 73, 28);  
box-shadow:4px 4px 4px 4px rgb(49, 73, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 29.939, 127.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 73, 28) }
```

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

```
.background{ background-color: rgb(49, 73,  
28) }
```

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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