

Converting Colors

CIELCh(27, 28.823, 129.471)

Have a look what the booklet for
CIELCh(27, 28.823, 129.471)
contains.

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Color

CIELCh(27, 28.533, 129.082)

Conversions

Conversions Part 1

Format	Color
Hex	2E461C
RGB	46, 70, 28
RGB Percent	18%, 27%, 11%
CMY	0.8184, 0.7242, 0.8890
CMYK	0.34, 0.00, 0.60, 0.72
HSL	94°, 43%, 19%
HSV	94°, 60%, 28%
XYZ	3.5642, 5.0937, 1.9126
YIQ	58.0360, -0.8220, -18.1500

Conversions

Conversions Part 2

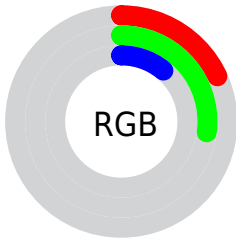
Format	Color
R_{YB}	28, 70, 52
Decimal	3032604
CIE Lab	27.00, -17.99, 22.15
CIE LCh	27, 28.533, 129.082
Yxy	5.0937, 0.3372, 0.4819
Android (android.graphics.Color)	4281222684 (0xFF2E461C)
YUV	58.0360, -14.8077, -10.5556
Hunter-Lab	22.5692, -11.3070, 10.7741

Details

The CIELCh color **27, 28.533, 129.082** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **16, 30.420, 313.938**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 28.770, 128.868**, and **8, 18.838, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **27, 32.751, 128.795**, and if you desaturate by 10%, it is **27, 24.021, 129.465**.

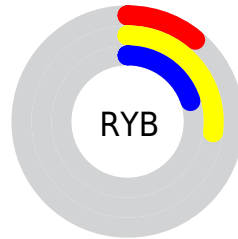
Distribution



Red (18%)

Green (27%)

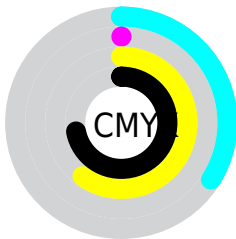
Blue (11%)



Red (11%)

Yellow (27%)

Blue (20%)

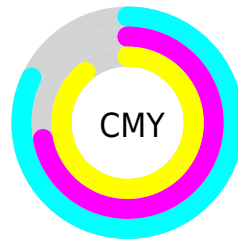


Cyan (34%)

Magenta (0%)

Yellow (60%)

Black (72%)



Cyan (82%)


Magenta (72%)

Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 28.533, 129.082 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 27, 28.533, 129.082 by changing the saturation by 10% instead.

 27, 28.533,
129.082

 27, 28.533,
129.082

 100, 28.533,
129.082

 17, 28.533,
129.082

 47, 28.533,
129.082


 7, 28.533, 129.082

 57, 28.533,
129.082

 0, 28.533, 129.082

 67, 28.533,
129.082

 77, 28.533,
129.082

 87, 28.533,
129.082

 97, 28.533,

129.082

■ 27, 28.533,
129.082

■ 27, 28.533,
129.082

■ 27, 32.751,
128.795

■ 27, 24.021,
129.465

■ 26, 36.536,
128.672

■ 28, 19.319,
129.890

■ 26, 39.802,
128.739

■ 28, 14.505,
130.327

■ 26, 43.047,
128.642

■ 29, 9.635, 130.755

■ 26, 43.125,
128.639

■ 29, 4.750, 131.166

■ 30, 0.121, 310.972

■ 30, 4.954, 311.858

■ 31, 9.734, 312.178

■ 32, 14.448,
312.462

Harmonies

Complementary

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



27, 28.533, 129.082



16, 30.420, 313.938

Rectangle

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



27, 28.533, 129.082



27, 28.533, 179.082



27, 28.533, 309.082



27, 28.533, 359.082

Sweetspot

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



27, 28.534, 129.083



38, 10.948, 130.798



23, 18.725, 75.172



18, 7.497, 130.736



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



27, 28.534, 129.083



35, 41.685, 128.706



26, 30.941, 141.714



14, 2.745, 131.213



37, 55.360, 129.265



80, 102.361, 130.413

Inverse Universe

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



16, 30.420, 313.938



18, 45.136, 314.374



18, 30.681, 329.231



13, 2.773, 311.825



14, 61.285, 314.292



38, 112.663, 313.492

Previews

White Background



This preview shows how the CIELCh color 27, 28.533, 129.082 looks on a white background.

Color Contrast Check

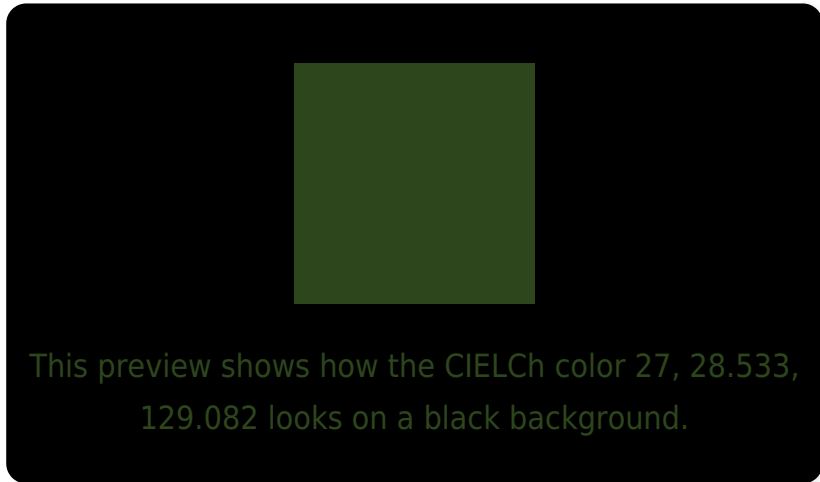
Large Text (above 18pt) WCAG AA ✓ Pass

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

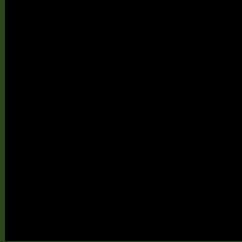
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 28.533, 129.082

Background



This preview shows how black text looks on a background with the CIELCh color 27, 28.533, 129.082.



This preview shows how white text looks on a background with the CIELCh color 27, 28.533, 129.082.

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](#).

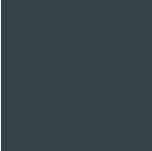
Dichromacy



Original Color
27, 28.533, 129.082

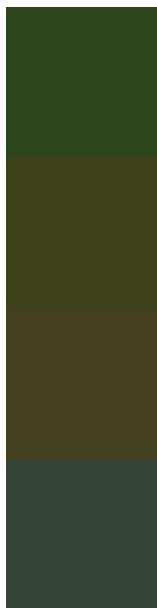
Protanopia
27, 24.102, 96.519

Deuteranopia
27, 21.373, 81.443



Tritanopia
27, 6.182, 230.621

Trichromacy



Original Color
27, 28.533, 129.082

Protanomaly
27, 24.366, 110.112

Deuteranomaly
27, 21.501, 103.002

Tritanomaly
27, 11.436, 150.186

Monochromacy



Original Color
27, 28.533, 129.082

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 10.516, 129.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 28.533, 129.082 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(46, 70, 28)` looks like.

```
.text, #text, p{  
    color:rgb(46, 70, 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(46, 70, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 70, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 28.533, 129.082 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(46, 70, 28) }
```

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

```
.border{ border-color:rgb(46, 70, 28) }
```

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

Here you see how a box with a 4 pixel rgb(46, 70, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 70, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 70, 28);  
box-shadow:4px 4px 4px 4px rgb(46, 70, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 28.533, 129.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 70, 28) }
```

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

```
.background{ background-color: rgb(46, 70,  
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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