

Converting Colors

CIELCh(28, 10.954, 190.069)

Have a look what the booklet for
CIELCh(28, 10.954, 190.069)
contains.

CIELCh(28, 10.946, 190.856)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(28, 10.946, 190.856)

Conversions

Conversions Part 1

Format	Color
Hex	2C4745
RGB	44, 71, 69
RGB Percent	17%, 28%, 27%
CMY	0.8278, 0.7219, 0.7298
CMYK	0.38, 0.00, 0.03, 0.72
HSL	176°, 24%, 23%
HSV	176°, 38%, 28%
XYZ	4.3541, 5.4574, 6.4399
YIQ	62.6990, -15.4500, -6.3460

Conversions

Conversions Part 2

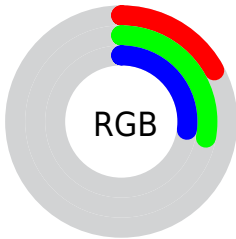
Format	Color
R_{YB}	44, 58, 71
Decimal	2901829
CIE _{Lab}	28.00, -10.75, -2.06
CIE _{LCh}	28, 10.946, 190.856
Yxy	5.4574, 0.2679, 0.3358
Android (android.graphics.Color)	4281091909 (0xFF2C4745)
YUV	62.6990, 3.1064, -16.3990
Hunter-Lab	23.3610, -7.6126, 0.0084

Details

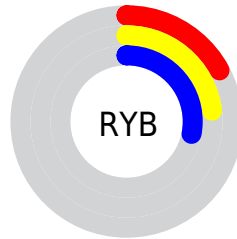
The CIELCh color **28, 10.946, 190.856** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **21, 13.387, 16.793**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 10.764, 191.917**, and **8, 10.741, 189.753** is the 20% darker color. If you saturate the color by 10%, you get **28, 13.338, 190.208**, and if you desaturate by 10%, it is **28, 8.315, 191.499**.

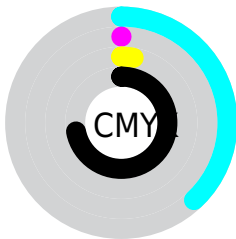
Distribution



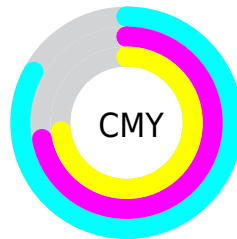
- Red (17%)
- Green (28%)
- Blue (27%)



- Red (17%)
- Yellow (23%)
- Blue (28%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (72%)





- Cyan (83%)
- Magenta (72%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 10.946, 190.856 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, 10.946, 190.856 by changing the saturation by 10% instead.

 28, 10.946,
190.856


 28, 10.946,
190.856

 100, 10.946,
190.856


 18, 10.946,
190.856


 48, 10.946,
190.856


 8, 10.946, 190.856

 58, 10.946,
190.856

 0, 10.946, 190.856

 68, 10.946,
190.856

 78, 10.946,
190.856

 88, 10.946,
190.856

 98, 10.946,

190.856

■ 28, 10.946,
190.856

■ 28, 10.946,
190.856

■ 28, 13.338,
190.208

■ 28, 8.315, 191.499

■ 27, 15.450,
189.558

■ 29, 5.486, 192.155

■ 27, 17.252,
188.896

■ 30, 2.499, 192.851

■ 27, 18.720,
188.214

■ 30, 0.608, 12.964

■ 27, 19.855,
187.503

■ 31, 3.800, 13.963

■ 26, 20.908,
186.827

■ 32, 7.048, 14.635

■ 33, 10.328, 15.283

■ 33, 13.619, 15.922

■ 26, 21.115,
186.703

■ 34, 16.906, 16.551

Harmonies

Complementary

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



28, 10.946, 190.856



21, 13.387, 16.793

Rectangle

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



28, 10.946, 190.856



28, 10.946, 240.856



28, 10.946, 10.856



28, 10.946, 60.856

Sweetspot

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



28, 10.946, 190.853



38, 4.193, 192.606



27, 20.703, 140.026



18, 2.774, 192.572



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



28, 10.946, 190.853



36, 15.828, 190.226



24, 9.475, 250.941



14, 1.733, 192.811



37, 26.712, 186.251



82, 49.058, 185.546

Inverse Universe

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



21, 13.387, 16.793



26, 20.524, 18.233



25, 10.964, 62.327



13, 1.807, 13.773



19, 47.920, 32.650



47, 92.740, 37.581

Previews

White Background



This preview shows how the CIE LCh color 28, 10.946, 190.856 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 CIELCh color 28, 10.946, 190.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

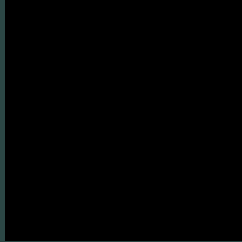
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

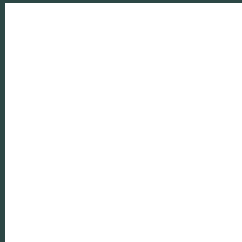
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 10.946, 190.856

Background



This preview shows how black text looks on a background with the CIELCh color 28, 10.946, 190.856.



This preview shows how white text looks on a background with the CIELCh color 28, 10.946, 190.856.

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](#).

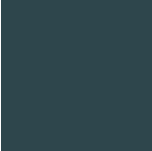
Dichromacy



Original Color
28, 10.946, 190.856

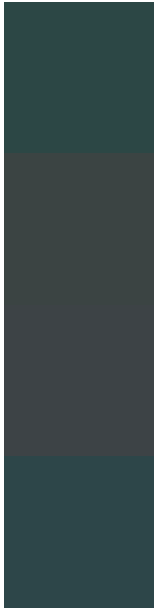
Protanopia
28, 0.446, 18.918

Deuteranopia
28, 4.725, 324.832



Tritanopia
28, 9.929, 221.314

Trichromacy



Original Color
28, 10.946, 190.856

Protanomaly
28, 3.961, 189.387

Deuteranomaly
28, 3.185, 236.806

Tritanomaly
28, 9.940, 209.312

Monochromacy



Original Color
28, 10.946, 190.856

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 4.393, 190.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 10.946, 190.856 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(44, 71, 69)` looks like.

```
.text, #text, p{  
    color:rgb(44, 71, 69)  
}
```

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(44, 71, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 71, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 10.946, 190.856 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(44, 71, 69) }
```

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

```
.border{ border-color:rgb(44, 71, 69) }
```

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

Here you see how a box with a 4 pixel rgb(44, 71, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 71, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 71, 69);  
box-shadow:4px 4px 4px 4px rgb(44, 71, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 10.946, 190.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 71, 69) }
```

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

```
.background{ background-color: rgb(44, 71,  
69) }
```

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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