

Converting Colors

CIELCh(28, 11.169, 214.930)

Have a look what the booklet for
CIELCh(28, 11.169, 214.930)
contains.

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Color

CIELCh(28, 11.333, 214.556)

Conversions

Conversions Part 1

Format	Color
Hex	2A474C
RGB	42, 71, 76
RGB Percent	16%, 28%, 30%
CMY	0.8368, 0.7231, 0.7035
CMYK	0.45, 0.07, 0.00, 0.70
HSL	189°, 29%, 23%
HSV	189°, 45%, 30%
XYZ	4.4583, 5.4574, 7.5843
YIQ	62.8990, -18.8890, -4.5930

Conversions

Conversions Part 2

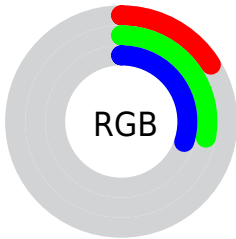
Format	Color
RYB	42, 58, 76
Decimal	2770764
CIELab	28.00, -9.33, -6.43
CIELCh	28, 11.333, 214.556
Yxy	5.4574, 0.2548, 0.3119
Android (android.graphics.Color)	4280960844 (0xFF2A474C)
YUV	62.8990, 6.4588, -18.3284
Hunter-Lab	23.3610, -6.8160, -2.8961

Details

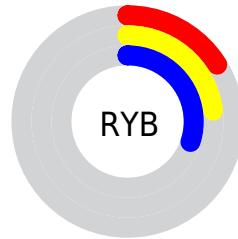
The CIELCh color **28, 11.333, 214.556** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **23, 15.310, 34.661**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 11.138, 216.978**, and **8, 10.508, 214.383** is the 20% darker color. If you saturate the color by 10%, you get **27, 13.234, 215.197**, and if you desaturate by 10%, it is **29, 9.164, 214.101**.

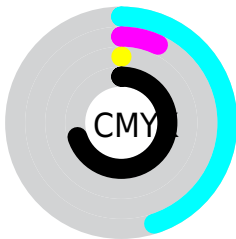
Distribution



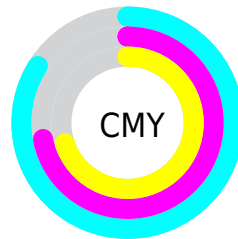
- Red (16%)
- Green (28%)
- Blue (30%)



- Red (16%)
- Yellow (23%)
- Blue (30%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)
- Black (70%)





- Cyan (84%)
- Magenta (72%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 11.333, 214.556 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, 11.333, 214.556 by changing the saturation by 10% instead.

 28, 11.333,
214.556


 28, 11.333,
214.556

 100, 11.333,
214.556


 18, 11.333,
214.556


 48, 11.333,
214.556


 8, 11.333, 214.556

 58, 11.333,
214.556

 0, 11.333, 214.556

 68, 11.333,
214.556

 78, 11.333,
214.556

 88, 11.333,
214.556

 98, 11.333,

214.556

■ 28, 11.333,
214.556

■ 28, 11.333,
214.556

■ 27, 13.234,
215.197

■ 29, 9.164, 214.101

■ 30, 6.764, 213.810

■ 27, 14.834,
216.071

■ 31, 4.169, 213.660

■ 26, 16.110,
217.219

■ 32, 1.416, 213.715

■ 33, 1.464, 33.340

■ 25, 17.051,
218.687

■ 34, 4.441, 33.537

■ 25, 17.788,
220.332

■ 35, 7.492, 33.684

■ 24, 18.175,
221.100

■ 36, 10.596, 33.854

Harmonies

Complementary

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



28, 11.333, 214.556



23, 15.310, 34.661

Rectangle

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



28, 11.333, 214.556



28, 11.333, 264.556



28, 11.333, 34.556



28, 11.333, 84.556

Sweetspot

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



28, 11.333, 214.553



41, 4.562, 213.650



29, 24.037, 145.067



20, 3.207, 213.659



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



28, 11.333, 214.553



36, 16.222, 215.284



22, 14.930, 275.307



15, 1.594, 213.650



34, 22.300, 222.298



73, 40.256, 224.446

Inverse Universe

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



22, 23.803, 331.225



28, 35.243, 331.860



27, 15.318, 83.020



14, 2.993, 329.175



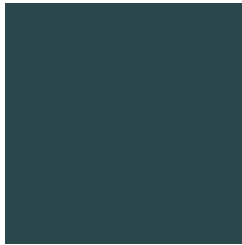
22, 52.892, 334.667



53, 94.981, 335.209

Previews

White Background



This preview shows how the CIE LCh color 28, 11.333, 214.556 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 28, 11.333, 214.556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

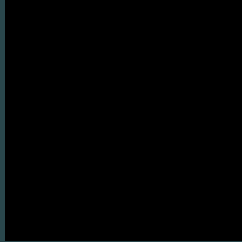
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 11.333, 214.556

Background



This preview shows how black text looks on a background with the CIELCh color 28, 11.333, 214.556.



This preview shows how white text looks on a background with the CIELCh color 28, 11.333, 214.556.

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, 11.333, 214.556

Protanopia
28, 4.543, 291.071

Deuteranopia
28, 8.557, 300.243



Tritanopia
28, 11.333, 214.556

Trichromacy



Original Color
28, 11.333, 214.556

Protanomaly
28, 5.888, 240.442

Deuteranomaly
28, 7.174, 264.351

Tritanomaly
28, 11.333, 214.556

Monochromacy



Original Color
28, 11.333, 214.556

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 4.805, 214.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 11.333, 214.556 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(42, 71, 76)` looks like.

```
.text, #text, p{  
    color:rgb(42, 71, 76)  
}
```

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(42, 71, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 71, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 11.333, 214.556 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(42, 71, 76) }
```

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

```
.border{ border-color:rgb(42, 71, 76) }
```

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

Here you see how a box with a 4 pixel rgb(42, 71, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 71, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 71, 76);  
box-shadow:4px 4px 4px 4px rgb(42, 71, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 11.333, 214.556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 71, 76) }
```

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

```
.background{ background-color: rgb(42, 71,  
76) }
```

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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