

Converting Colors

CIELCh(28, 17.005, 215.304)

Have a look what the booklet for
CIELCh(28, 17.005, 215.304)
contains.

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Color

CIELCh(28, 17.165, 214.858)

Conversions

Conversions Part 1

Format	Color
Hex	144951
RGB	20, 73, 81
RGB Percent	8%, 29%, 32%
CMY	0.9232, 0.7150, 0.6836
CMYK	0.76, 0.10, 0.00, 0.68
HSL	188°, 61%, 20%
HSV	188°, 76%, 32%
XYZ	4.1151, 5.4574, 8.5585
YIQ	58.0650, -34.1560, -8.7480

Conversions

Conversions Part 2

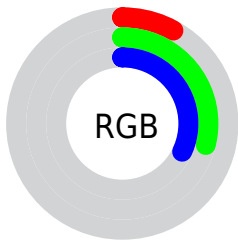
Format	Color
R_{YB}	20, 48, 81
Decimal	1329489
CIE _{Lab}	28.00, -14.09, -9.81
CIE _{LCh}	28, 17.165, 214.858
Yxy	5.4574, 0.2270, 0.3010
Android (android.graphics.Color)	4279519569 (0xFF144951)
YUV	58.0650, 11.3070, -33.3830
Hunter-Lab	23.3610, -9.4387, -5.3686

Details

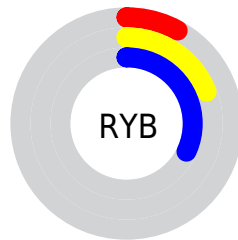
The CIELCh color **28, 17.165, 214.858** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **18, 30.396, 36.799**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 17.212, 213.787**, and **9, 11.374, 220.376** is the 20% darker color. If you saturate the color by 10%, you get **27, 18.095, 216.180**, and if you desaturate by 10%, it is **29, 15.869, 213.832**.

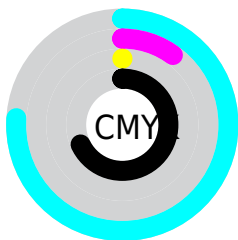
Distribution



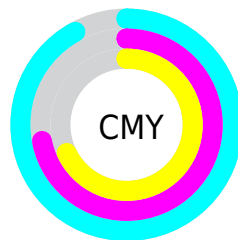
- Red (8%)
- Green (29%)
- Blue (32%)



- Red (8%)
- Yellow (19%)
- Blue (32%)



- Cyan (76%)
- Magenta (10%)
- Yellow (0%)
- Black (68%)





- Cyan (92%)
- Magenta (72%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 17.165, 214.858 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, 17.165, 214.858 by changing the saturation by 10% instead.

 28, 17.165,
214.858


 28, 17.165,
214.858

 100, 17.165,
214.858


 18, 17.165,
214.858


 48, 17.165,
214.858


 8, 17.165, 214.858

 58, 17.165,
214.858

 0, 17.165, 214.858

 68, 17.165,
214.858

 78, 17.165,
214.858

 88, 17.165,
214.858

 98, 17.165,

214.858

■ 28, 17.165,
214.858

■ 28, 17.165,
214.858

■ 27, 18.095,
216.180

■ 29, 15.869,
213.832

■ 27, 18.800,
217.677

■ 29, 14.217,
213.063

■ 27, 19.112,
218.277

■ 30, 12.235,
212.511

■ 31, 9.956, 212.140

■ 32, 7.420, 211.921

■ 33, 4.670, 211.835

■ 34, 1.743, 211.927

■ 35, 1.324, 31.609

■ 36, 4.498, 31.888

Harmonies

Complementary

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



28, 17.165, 214.858



18, 30.396, 36.799

Rectangle

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



28, 17.165, 214.858



28, 17.165, 264.858



28, 17.165, 34.858



28, 17.165, 84.858

Sweetspot

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



28, 17.165, 214.857



41, 8.267, 211.894



30, 40.848, 141.017



20, 5.728, 211.926



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



28, 17.165, 214.857



35, 22.271, 217.561



18, 26.382, 282.119



16, 1.704, 211.866



35, 22.827, 219.153



75, 40.782, 220.972

Inverse Universe

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



19, 39.356, 332.377



24, 52.612, 333.380



26, 27.375, 77.339



15, 3.198, 328.664



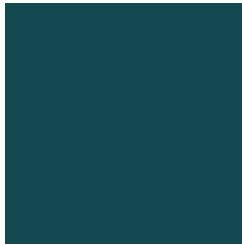
23, 54.444, 333.883



53, 96.984, 334.335

Previews

White Background



This preview shows how the CIELCh color 28, 17.165, 214.858 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, 17.165, 214.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

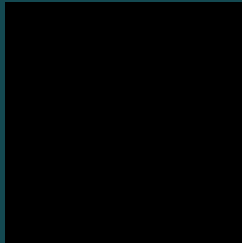
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

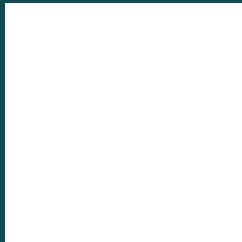
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 17.165, 214.858

Background



This preview shows how black text looks on a background with the CIELCh color 28, 17.165, 214.858.



This preview shows how white text looks on a background with the CIELCh color 28, 17.165, 214.858.

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, 17.165, 214.858

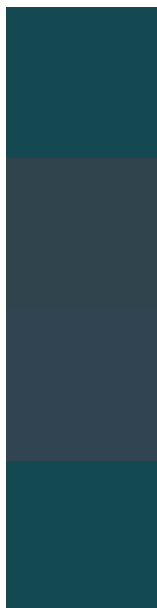
Protanopia
28, 7.140, 288.219

Deuteranopia
28, 11.016, 290.201



Tritanopia
28, 17.457, 209.976

Trichromacy



Original Color
28, 17.165, 214.858

Protanomaly
28, 9.868, 239.907

Deuteranomaly
28, 11.516, 251.113

Tritanomaly
28, 17.299, 212.396

Monochromacy



Original Color
28, 17.165, 214.858

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 7.926, 212.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 17.165, 214.858 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(20, 73, 81)` looks like.

```
.text, #text, p{  
    color:rgb(20, 73, 81)  
}
```

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(20, 73, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 73, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 17.165, 214.858 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(20, 73, 81) }
```

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

```
.border{ border-color:rgb(20, 73, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 73, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 73, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 73, 81);  
box-shadow:4px 4px 4px 4px rgb(20, 73, 81)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 17.165, 214.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 73, 81) }
```

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

```
.background{ background-color: rgb(20, 73,  
81) }
```

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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