

Converting Colors

XYZ(28.4517, 48.3294, 32.8666)

Have a look what the booklet for
XYZ(28.4517, 48.3294, 32.8666)
contains.

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Color

**XYZ(28.4815, 48.3396,
33.0287)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 21D28D |
| RGB | 33, 210, 141 |
| RGB Percent | 13%, 82%, 55% |
| CMY | 0.8706, 0.1765, 0.4471 |
| CMYK | 0.84, 0.00, 0.33, 0.18 |
| HSL | 157°, 73%, 48% |
| HSV | 157°, 84%, 82% |
| XYZ | 28.4815, 48.3396, 33.0287 |
| YIQ | 149.2110, -83.3430, -58.9830 |

Conversions

Conversions Part 2

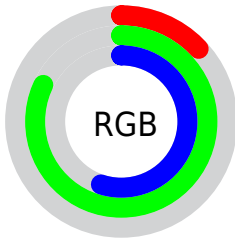
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 33, 143, 210 |
| Decimal | 2216589 |
| CIELab | 75.04, -57.82, 22.58 |
| CIELCh | 75, 62.072, 158.667 |
| Yxy | 48.3396, 0.2593, 0.4401 |
| Android (android.graphics.Color) | 4280406669 (0xFF21D28D) |
| YUV | 149.2110, -4.0480, -101.9170 |
| Hunter-Lab | 69.5267, -48.5494, 20.5029 |

Details

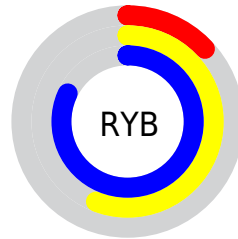
The XYZ color **28.4815, 48.3396, 33.0287** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **29.5221, 15.7497, 14.0566**, and the grayscale version is **28.6991, 30.1937, 32.8809**.

A 20% lighter version of the original color is **52.2924, 78.9049, 64.1038**, and **13.4011, 23.8494, 13.5699** is the 20% darker color. If you saturate the color by 10%, you get **27.4201, 47.8615, 29.9165**, and if you desaturate by 10%, it is **30.0091, 49.0554, 36.4000**.

Distribution



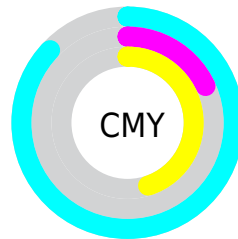
- Red (13%)
- Green (82%)
- Blue (55%)



- Red (13%)
- Yellow (56%)
- Blue (82%)



- Cyan (84%)
- Magenta (0%)
- Yellow (33%)
- Black (18%)





- Cyan (87%)
- Magenta (18%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4815, 48.3396, 33.0287 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 XYZ color 28.4815, 48.3396, 33.0287 by changing the saturation by 10% instead.


 28.4815, 48.3396,
33.0287


 28.4815, 48.3396,
33.0287


286.7991,
380.1366, 330.4150


 18.8312, 34.0959,
21.8771

 56.6556, 87.7098,
65.5369


 11.6517, 22.9673,
13.5692


 75.9101, 113.6051,
87.7305


 6.5775, 14.5694,
7.6863


 99.0967, 144.1531,
114.4420

 3.2433, 8.5177,
3.8100

 126.5808,
179.7381, 146.0898

 1.2837, 4.4280,
1.5217

 158.7277,
220.7446, 183.0924

 0.1709, 1.9157,
0.2340

195.9029,

 0.0000, 0.5578,

267.5569, 225.8685

0.0000

238.4716,
320.5595, 274.8365

■ 0.0000, 0.0000,
0.0000

■ 28.4815, 48.3396,
33.0287

■ 28.4815, 48.3396,
33.0287

■ 27.4201, 47.8615,
29.9165

■ 30.0091, 49.0554,
36.4000

■ 26.9526, 47.6570,
28.2467

■ 32.0677, 50.0383,
40.0351

■ 34.7151, 51.3193,
43.9425

■ 38.0003, 52.9237,
48.1291

■ 41.9671, 54.8737,
52.6015

■ 46.6552, 57.1899,
57.3658

■ 52.1010, 59.8909,
62.4281

■ 58.3386, 62.9943,
67.7942

■ 65.4000, 66.5162,
73.4695

Harmonies

Analogous

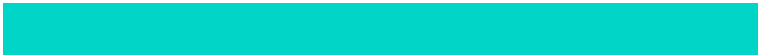
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.6248, 48.3396, 17.3832



28.4815, 48.3396, 33.0287



27.5859, 48.3396, 62.6148

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.4815, 48.3396, 33.0287



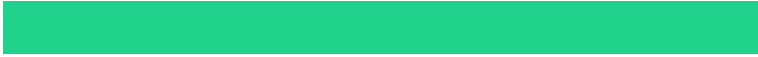
49.3098, 48.3396, 141.6412



65.1583, 48.3396, 22.4654

Complementary

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



28.4815, 48.3396, 33.0287



29.5221, 15.7497, 14.0566

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.0459, 48.3396, 43.7738



28.4815, 48.3396, 33.0287



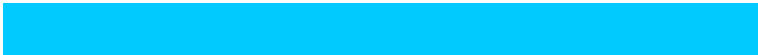
60.9585, 48.3396, 117.9921

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.4815, 48.3396, 33.0287



38.4612, 48.3396, 134.8542



69.3941, 48.3396, 78.7746



54.3424, 48.3396, 13.2639

Rectangle

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



28.4815, 48.3396, 33.0287



29.3470, 48.3396, 88.6304



69.3941, 48.3396, 78.7746



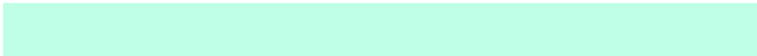
67.8541, 48.3396, 28.0021

Sweetspot

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



28.4828, 48.3415, 33.0298



71.6124, 88.3503, 88.2504



29.0085, 49.1362, 9.3947



14.7555, 18.6275, 18.3193



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.4828, 48.3415, 33.0298



41.7260, 73.9064, 43.3367



31.1772, 42.8096, 67.5949



11.9550, 13.3257, 14.1193



16.4907, 29.0892, 17.4959



0.9604, 1.6418, 1.1800

Inverse Universe

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



29.5221, 15.7497, 14.0566



43.5118, 22.1687, 13.8932



28.0250, 16.1541, 3.0803



11.9968, 11.8835, 13.2590



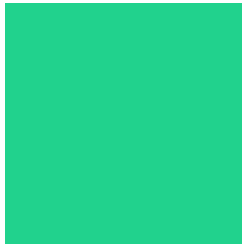
17.1843, 8.7466, 5.8769



0.9993, 0.5044, 0.5312

Previews

White Background



This preview shows how the XYZ color 28.4815, 48.3396, 33.0287 looks on a white 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

Black Background



This preview shows how the XYZ color 28.4815, 48.3396, 33.0287 looks on a black 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

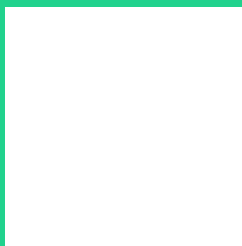
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4815, 48.3396, 33.0287

Background



This preview shows how black text looks on a background with the XYZ color 28.4815, 48.3396, 33.0287.

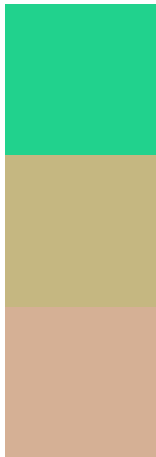


This preview shows how white text looks on a background with the XYZ color 28.4815, 48.3396,

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

28.4815, 48.3396, 33.0287

Protanopia

43.9219, 47.3223, 27.5881

Deuteranopia

48.3907, 47.3667, 35.0260



Tritanopia

36.5529, 48.4027, 73.0618

Trichromacy



Original Color

28.4815, 48.3396, 33.0287



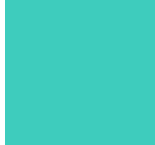
Protanomaly

33.6201, 45.1517, 29.1335



Deuteranomaly

35.3843, 44.3377, 33.8872



Tritanomaly

32.7648, 47.8840, 55.6598

Monochromacy



Original Color

28.4815, 48.3396, 33.0287



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.8146, 34.3269, 32.4593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4815, 48.3396, 33.0287 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(33, 210, 141)` looks like.

```
.text, #text, p{  
  color:rgb(33, 210, 141)  
}
```

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(33, 210, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 210, 141) }
```

Border

The CSS property to change the border of an element to XYZ 28.4815, 48.3396, 33.0287 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(33, 210, 141) }
```


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

```
.border{ border-color:rgb(33, 210, 141) }
```

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

Here you see how a box with a 4 pixel rgb(33, 210, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 210, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 210, 141);  
box-shadow:4px 4px 4px 4px rgb(33, 210,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4815, 48.3396, 33.0287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 210, 141) }
```

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

```
.background{ background-color: rgb(33, 210,  
141) }
```

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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