

Converting Colors

XYZ(28.5580, 49.2259, 33.0823)

Have a look what the booklet for
XYZ(28.5580, 49.2259, 33.0823)
contains.

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Color

**XYZ(28.5028, 49.0882,
33.1720)**

Conversions

Conversions Part 1

Format	Color
Hex	0CD48D
RGB	12, 212, 141
RGB Percent	5%, 83%, 55%
CMY	0.9529, 0.1686, 0.4471
CMYK	0.94, 0.00, 0.33, 0.17
HSL	159°, 89%, 44%
HSV	159°, 94%, 83%
XYZ	28.5028, 49.0882, 33.1720
YIQ	144.1060, -96.4090, -64.4810

Conversions

Conversions Part 2

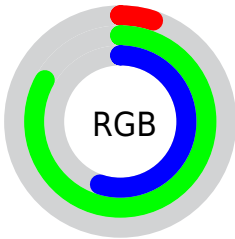
Format	Color
RYB	12, 134, 212
Decimal	840845
CIELab	75.51, -59.75, 23.19
CIELCh	76, 64.094, 158.785
Yxy	49.0882, 0.2573, 0.4432
Android (android.graphics.Color)	4279030925 (0xFF0CD48D)
YUV	144.1060, -1.5313, -115.8570
Hunter-Lab	70.0630, -49.9934, 20.9726

Details

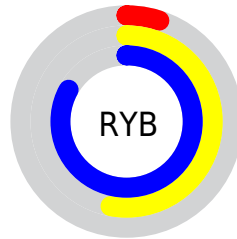
The XYZ color **28.5028, 49.0882, 33.1720** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.8461, 14.8857, 9.5403**, and the grayscale version is **26.5885, 27.9731, 30.4627**.

A 20% lighter version of the original color is **51.5542, 78.5243, 64.0693**, and **13.7339, 24.5151, 13.6809** is the 20% darker color. If you saturate the color by 10%, you get **28.0408, 48.8873, 31.5259**, and if you desaturate by 10%, it is **29.5658, 49.5706, 36.2468**.

Distribution



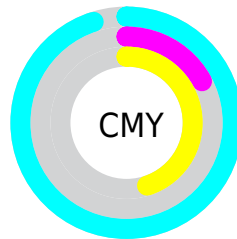
- Red (5%)
- Green (83%)
- Blue (55%)



- Red (5%)
- Yellow (53%)
- Blue (83%)



- Cyan (94%)
- Magenta (0%)
- Yellow (33%)
- Black (17%)





- Cyan (95%)
- Magenta (17%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5028, 49.0882, 33.1720 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 28.5028, 49.0882, 33.1720 by changing the saturation by 10% instead.


 28.5028, 49.0882,
33.1720


 28.5028, 49.0882,
33.1720


286.8984,
383.0894, 331.0798


 18.8474, 34.6895,
21.9860


 56.6892, 88.8224,
65.7631


 11.6634, 23.4238,
13.6484


 75.9510, 114.9267,
88.0053


 6.5855, 14.9067,
7.7406


 99.1456, 145.7016,
114.7700

 3.2483, 8.7539,
3.8440

 126.6384,
181.5316, 146.4757

 1.2864, 4.5810,
1.5402

 158.7947,
222.8009, 183.5410

 0.1730, 2.0036,
0.2476

195.9799,

 0.0000, 0.6096,

269.8941, 226.3844

0.0000

238.5594,
323.1955, 275.4245

■ 0.0000, 0.0000,
0.0000

■ 28.5028, 49.0882,
33.1720

■ 28.5028, 49.0882,
33.1720

■ 28.0408, 48.8873,
31.5259

■ 29.5658, 49.5706,
36.2468

■ 31.0937, 50.2868,
39.5447

■ 33.1578, 51.2749,
43.0740

■ 35.8159, 52.5646,
46.8410

■ 39.1180, 54.1816,
50.8514

■ 43.1087, 56.1487,
55.1109

■ 47.8284, 58.4867,
59.6246

■ 53.3142, 61.2148,
64.3976

■ 59.6009, 64.3507,
69.4347

Harmonies

Analogous

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



33.8101, 49.0882, 17.0538



28.5028, 49.0882, 33.1720



27.5950, 49.0882, 64.0281

Triad

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



28.5028, 49.0882, 33.1720



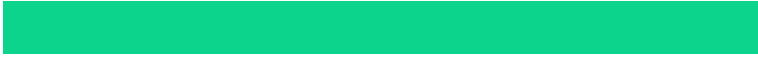
50.2178, 49.0882, 147.1314



66.7276, 49.0882, 22.1470

Complementary

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



28.5028, 49.0882, 33.1720



28.8461, 14.8857, 9.5403

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.



72.9387, 49.0882, 44.1040



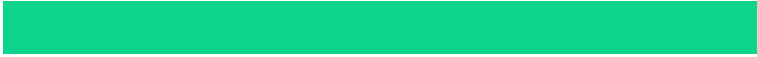
28.5028, 49.0882, 33.1720



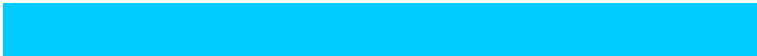
62.4043, 49.0882, 122.0035

Square

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



28.5028, 49.0882, 33.1720



38.9006, 49.0882, 140.0775



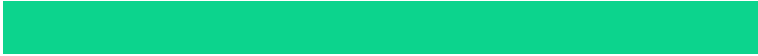
71.2353, 49.0882, 80.6560



55.3811, 49.0882, 12.8172

Rectangle

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



28.5028, 49.0882, 33.1720



29.4264, 49.0882, 91.3526



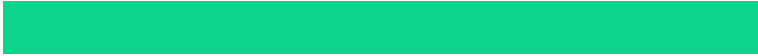
71.2353, 49.0882, 80.6560



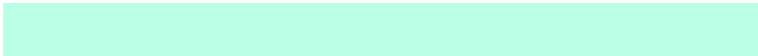
69.5656, 49.0882, 27.8173

Sweetspot

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



28.5041, 49.0901, 33.1731



69.6654, 87.3546, 87.7954



27.3886, 49.0628, 8.3749



14.2544, 18.3723, 18.1561



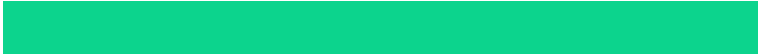
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.5041, 49.0901, 33.1731



42.5031, 74.2172, 47.4287



29.4559, 39.6717, 68.3946



12.5963, 14.0295, 14.9545



17.3596, 30.1992, 19.7211



1.0858, 1.8370, 1.3934

Inverse Universe

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



28.8461, 14.8857, 9.5403



43.1082, 22.0073, 11.7680



27.9340, 15.4544, 1.8591



12.6036, 12.4929, 13.8526



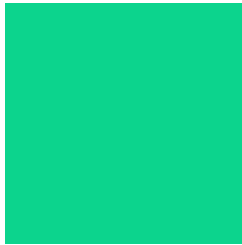
17.5950, 8.9743, 5.1715



1.1000, 0.5568, 0.5162

Previews

White Background



This preview shows how the XYZ color 28.5028, 49.0882, 33.1720 looks on a white background.

Color Contrast Check

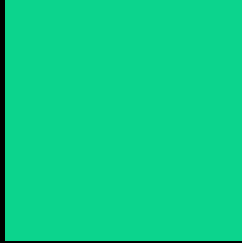
Large Text (above 18pt) WCAG AA × Fail

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 28.5028, 49.0882, 33.1720 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

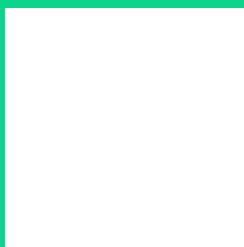
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5028, 49.0882, 33.1720

Background



This preview shows how black text looks on a background with the XYZ color 28.5028, 49.0882, 33.1720.



This preview shows how white text looks on a background with the XYZ color 28.5028, 49.0882,

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

28.5028, 49.0882, 33.1720

Protanopia

44.6561, 48.0081, 27.6817

Deuteranopia

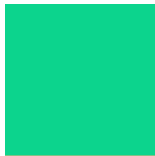
48.8785, 47.9103, 35.1052



Tritanopia

36.7308, 48.8114, 74.5035

Trichromacy



Original Color

28.5028, 49.0882, 33.1720



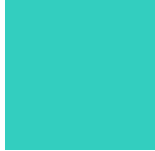
Protanomaly

32.8855, 45.1023, 29.1627



Deuteranomaly

34.5863, 44.5650, 33.9731



Tritanomaly

32.8405, 48.6080, 56.9416

Monochromacy



Original Color

28.5028, 49.0882, 33.1720



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.9698, 32.8459, 31.0632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5028, 49.0882, 33.1720 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(12, 212, 141)` looks like.

```
.text, #text, p{  
    color:rgb(12, 212, 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(12, 212, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 212, 141) }
```

Border

The CSS property to change the border of an element to XYZ 28.5028, 49.0882, 33.1720 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(12, 212, 141) }
```


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

```
.border{ border-color:rgb(12, 212, 141) }
```

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

Here you see how a box with a 4 pixel rgb(12, 212, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 212, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 212, 141);  
box-shadow:4px 4px 4px 4px rgb(12, 212,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5028, 49.0882, 33.1720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 212, 141) }
```

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

```
.background{ background-color: rgb(12, 212,  
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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