

Converting Colors

XYZ(28.7843, 49.2129, 29.2119)

Have a look what the booklet for
XYZ(28.7843, 49.2129, 29.2119)
contains.

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Color

**XYZ(28.8394, 49.3516,
29.1249)**

Conversions

Conversions Part 1

Format	Color
Hex	31D482
RGB	49, 212, 130
RGB Percent	19%, 83%, 51%
CMY	0.8078, 0.1686, 0.4902
CMYK	0.77, 0.00, 0.39, 0.17
HSL	150°, 65%, 51%
HSV	150°, 77%, 83%
XYZ	28.8394, 49.3516, 29.1249
YIQ	153.9150, -70.8260, -60.0580

Conversions

Conversions Part 2

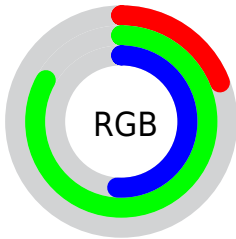
Format	Color
RYB	49, 158, 212
Decimal	3265666
CIELab	75.67, -59.14, 29.19
CIELCh	76, 65.953, 153.734
Yxy	49.3516, 0.2687, 0.4599
Android (android.graphics.Color)	4281455746 (0xFF31D482)
YUV	153.9150, -11.7901, -92.0105
Hunter-Lab	70.2507, -49.6607, 24.5947

Details

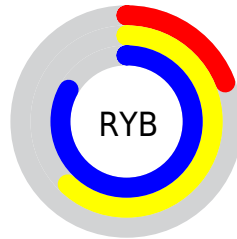
The XYZ color **28.8394, 49.3516, 29.1249** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **32.3481, 17.8335, 23.2124**, and the grayscale version is **30.7516, 32.3531, 35.2325**.

A 20% lighter version of the original color is **52.1575, 78.9738, 57.8419**, and **13.3364, 24.3561, 11.5877** is the 20% darker color. If you saturate the color by 10%, you get **27.3680, 48.6729, 25.5114**, and if you desaturate by 10%, it is **30.8681, 50.3117, 33.1541**.

Distribution



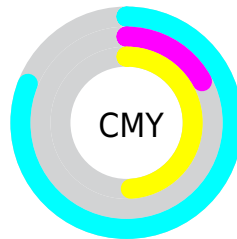
- Red (19%)
- Green (83%)
- Blue (51%)



- Red (19%)
- Yellow (62%)
- Blue (83%)



- Cyan (77%)
- Magenta (0%)
- Yellow (39%)
- Black (17%)



- Cyan (81%)
- Magenta (17%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8394, 49.3516, 29.1249 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 28.8394, 49.3516, 29.1249 by changing the saturation by 10% instead.

■ 28.8394, 49.3516,
29.1249

■ 28.8394, 49.3516,
29.1249

288.4643,
384.1249, 311.8832

■ 19.1030, 34.8985,
18.9289

■ 57.2212, 89.2134,
59.3200

■ 11.8492, 23.5847,
11.4426

■ 76.5973, 115.3909,
80.1563

■ 6.7125, 15.0258,
6.2475

■ 99.9173, 146.2453,
105.3763

■ 3.3277, 8.8375,
2.9249

■ 127.5467,
182.1610, 135.3988

■ 1.3293, 4.6353,
1.0564

■ 159.8507,
223.5225, 170.6421

■ 0.2050, 2.0349,
0.0000

197.1948,

■ 0.0000, 0.6277,

270.7140, 211.5250

0.0000

239.9442,
324.1200, 258.4658

■ 0.0000, 0.0000,
0.0000

■ 28.8394, 49.3516,
29.1249

■ 28.8394, 49.3516,
29.1249

■ 27.3680, 48.6729,
25.5114

■ 30.8681, 50.3117,
33.1541

■ 26.3697, 48.2284,
22.2946

■ 33.5119, 51.5788,
37.6097

■ 26.1121, 48.1158,
21.3697

■ 36.8254, 53.1820,
42.5061

■ 40.8555, 55.1454,
47.8559

■ 45.6450, 57.4907,
53.6710

■ 51.2329, 60.2379,
59.9630

■ 57.6559, 63.4056,
66.7429

■ 64.9478, 67.0112,
74.0214

■ 73.1410, 71.0711,
81.8088

Harmonies

Analogous

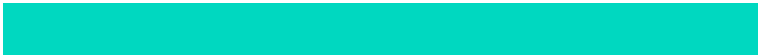
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.0350, 49.3516, 14.9605



28.8394, 49.3516, 29.1249



27.1557, 49.3516, 58.2361

Triad

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



28.8394, 49.3516, 29.1249



48.4534, 49.3516, 152.6935



69.2779, 49.3516, 24.3667

Complementary

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



28.8394, 49.3516, 29.1249



32.3481, 17.8335, 23.2124

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.



74.4666, 49.3516, 49.4730



28.8394, 49.3516, 29.1249



61.1976, 49.3516, 131.3382

Square

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



28.8394, 49.3516, 29.1249



37.2614, 49.3516, 139.4479



71.2805, 49.3516, 89.3411



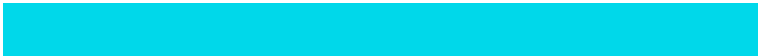
58.0887, 49.3516, 13.1694

Rectangle

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



28.8394, 49.3516, 29.1249



28.5233, 49.3516, 85.6124



71.2805, 49.3516, 89.3411



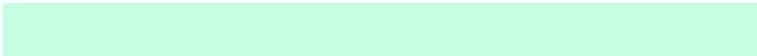
71.8621, 49.3516, 30.9532

Sweetspot

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



28.8407, 49.3536, 29.1260



72.2743, 88.7660, 84.9125



33.8067, 52.3151, 11.2224



14.8373, 18.6890, 17.4462



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.



28.8407, 49.3536, 29.1260



40.5704, 73.4784, 35.7028



36.3554, 52.3595, 68.6982



12.5171, 13.9979, 14.5377



16.1703, 29.7234, 13.4581



1.0171, 1.8095, 1.0317

Inverse Universe

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



32.3481, 17.8335, 23.2124



46.1154, 23.6218, 26.3345



28.8645, 16.4401, 4.8680



12.6813, 12.5240, 14.2617



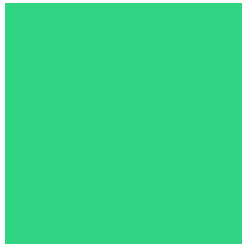
18.4397, 9.3122, 9.6194



1.1540, 0.5784, 0.8002

Previews

White Background



This preview shows how the XYZ color 28.8394, 49.3516, 29.1249 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 28.8394, 49.3516, 29.1249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

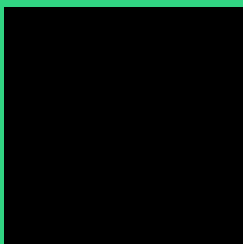
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

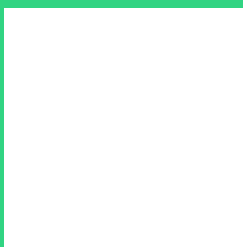
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8394, 49.3516, 29.1249

Background



This preview shows how black text looks on a background with the XYZ color 28.8394, 49.3516, 29.1249.

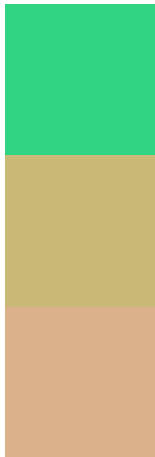


This preview shows how white text looks on a background with the XYZ color 28.8394, 49.3516,

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

28.8394, 49.3516, 29.1249

Protanopia

44.7661, 48.4473, 24.4446

Deuteranopia

49.2230, 48.1847, 30.7510



Tritanopia

37.5660, 48.9100, 73.7903

Trichromacy



Original Color

28.8394, 49.3516, 29.1249



Protanomaly

34.9443, 46.5713, 25.8863



Deuteranomaly

36.6913, 45.7443, 29.8174



Tritanomaly

33.5183, 48.6637, 54.0808

Monochromacy



Original Color

28.8394, 49.3516, 29.1249



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.6433, 36.4173, 32.3603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8394, 49.3516, 29.1249 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(49, 212, 130)` looks like.

```
.text, #text, p{  
    color:rgb(49, 212, 130)  
}
```

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(49, 212, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 212, 130) }
```

Border

The CSS property to change the border of an element to XYZ 28.8394, 49.3516, 29.1249 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(49, 212, 130) }
```


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

```
.border{ border-color:rgb(49, 212, 130) }
```

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

Here you see how a box with a 4 pixel rgb(49, 212, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 212, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 212, 130);  
box-shadow:4px 4px 4px 4px rgb(49, 212,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8394, 49.3516, 29.1249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 212, 130) }
```

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

```
.background{ background-color: rgb(49, 212,  
130) }
```

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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