

Converting Colors

XYZ(28.1364, 49.0344, 27.0504)

Have a look what the booklet for
XYZ(28.1364, 49.0344, 27.0504)
contains.

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Color

**XYZ(28.1364, 49.0344,
27.0504)**

Conversions

Conversions Part 1

Format	Color
Hex	2AD47C
RGB	42, 212, 124
RGB Percent	16%, 83%, 49%
CMY	0.8353, 0.1686, 0.5137
CMYK	0.80, 0.00, 0.42, 0.17
HSL	149°, 67%, 50%
HSV	149°, 80%, 83%
XYZ	28.1364, 49.0344, 27.0504
YIQ	151.1380, -73.0720, -63.4080

Conversions

Conversions Part 2

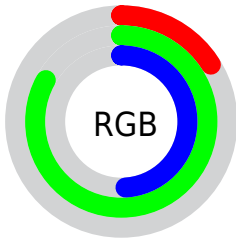
Format	Color
RYB	42, 157, 212
Decimal	2806908
CIELab	75.47, -61.05, 31.98
CIELCh	75, 68.918, 152.350
Yxy	49.0344, 0.2700, 0.4705
Android (android.graphics.Color)	4280996988 (0xFF2AD47C)
YUV	151.1380, -13.3790, -95.7140
Hunter-Lab	70.0246, -50.8203, 26.1135

Details

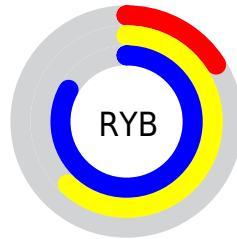
The XYZ color **28.1364, 49.0344, 27.0504** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **32.0102, 17.2657, 22.7667**, and the grayscale version is **29.5537, 31.0928, 33.8601**.

A 20% lighter version of the original color is **50.8983, 78.4073, 54.0465**, and **13.1245, 24.2713, 10.4717** is the 20% darker color. If you saturate the color by 10%, you get **26.8317, 48.4389, 23.5665**, and if you desaturate by 10%, it is **29.9789, 49.9009, 30.9649**.

Distribution



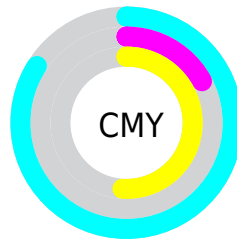
- Red (16%)
- Green (83%)
- Blue (49%)



- Red (16%)
- Yellow (62%)
- Blue (83%)



- Cyan (80%)
- Magenta (0%)
- Yellow (42%)
- Black (17%)





- Cyan (84%)
- Magenta (17%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1364, 49.0344, 27.0504 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 28.1364, 49.0344, 27.0504 by changing the saturation by 10% instead.

 28.1364, 49.0344,
27.0504


 28.1364, 49.0344,
27.0504


285.1864,
382.8777, 301.6690


 18.5695, 34.6468,
17.3783

 56.1093, 88.7425,
55.9695


 11.4618, 23.3909,
10.3398


 75.2459, 114.8318,
76.0535


 6.4479, 14.8824,
5.5163


 98.3032, 145.5905,
100.4453

 3.1625, 8.7369,
2.4893

 125.6464,
181.4029, 129.5633

 1.2403, 4.5700,
0.8345

 157.6410,
222.6534, 163.8261

 0.1378, 1.9972,
0.0000

194.6523,

 0.0000, 0.6059,

269.7265, 203.6523

0.0000

237.0457,
323.0064, 249.4604

■ 0.0000, 0.0000,
0.0000

■ 28.1364, 49.0344,
27.0504

■ 28.1364, 49.0344,
27.0504

■ 26.8317, 48.4389,
23.5665

■ 29.9789, 49.9009,
30.9649


■ 25.9555, 48.0532,
20.5448


■ 32.4215, 51.0661,
35.3223


■ 35.5210, 52.5606,
40.1382


■ 39.3265, 54.4093,
45.4265

■ 43.8823, 56.6349,
51.2004

 49.2288, 59.2578,
57.4723

 55.4034, 62.2972,
64.2544

 62.4410, 65.7708,
71.5583

 70.3747, 69.6956,
79.3952

Harmonies

Analogous

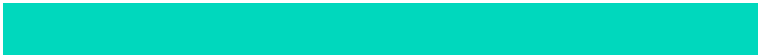
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.7136, 49.0344, 13.4033



28.1364, 49.0344, 27.0504



26.2034, 49.0344, 56.3114

Triad

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



28.1364, 49.0344, 27.0504



47.6149, 49.0344, 158.3013



70.4507, 49.0344, 24.0130

Complementary

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



28.1364, 49.0344, 27.0504



32.0102, 17.2657, 22.7667

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.



75.5373, 49.0344, 50.5717



28.1364, 49.0344, 27.0504



60.9440, 49.0344, 137.0337

Square

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



28.1364, 49.0344, 27.0504



36.1593, 49.0344, 142.4837



71.7787, 49.0344, 92.9039



58.8922, 49.0344, 12.2934

Rectangle

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



28.1364, 49.0344, 27.0504



27.4596, 49.0344, 84.6727



71.7787, 49.0344, 92.9039



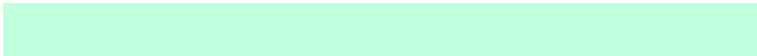
73.0601, 49.0344, 30.9526

Sweetspot

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



28.1376, 49.0364, 27.0515



71.3192, 88.3078, 83.3242



33.5833, 52.2157, 10.4996



14.6478, 18.5987, 17.1058



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.



28.1376, 49.0364, 27.0515



39.8022, 73.1516, 32.5398



35.6810, 52.0537, 66.7741



12.5094, 13.9948, 14.4971



16.0732, 29.6846, 12.9469



1.0112, 1.8071, 1.0006

Inverse Universe

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



32.0102, 17.2657, 22.7667



45.8605, 23.2853, 25.7152



28.5073, 15.8645, 4.3205



12.6890, 12.5271, 14.3024



18.5417, 9.3530, 10.1568



1.1601, 0.5808, 0.8325

Previews

White Background



This preview shows how the XYZ color 28.1364, 49.0344, 27.0504 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 28.1364, 49.0344, 27.0504 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 28.1364, 49.0344, 27.0504

Background



This preview shows how black text looks on a background with the XYZ color 28.1364, 49.0344, 27.0504.

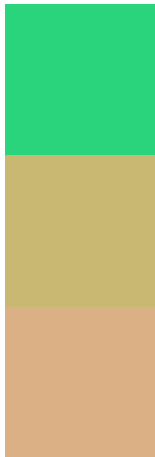


This preview shows how white text looks on a background with the XYZ color 28.1364, 49.0344,

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

28.1364, 49.0344, 27.0504

Protanopia

44.2085, 47.8907, 22.5366

Deuteranopia

48.9036, 47.7767, 28.4741



Tritanopia

37.2488, 48.7615, 73.0943

Trichromacy



Original Color

28.1364, 49.0344, 27.0504



Protanomaly

33.8304, 45.7076, 23.8690



Deuteranomaly

35.6776, 44.9487, 27.5644



Tritanomaly

32.9044, 48.3836, 52.4045

Monochromacy



Original Color

28.1364, 49.0344, 27.0504



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

26.3068, 35.1897, 30.6051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1364, 49.0344, 27.0504 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, 212, 124)` looks like.

```
.text, #text, p{  
    color:rgb(42, 212, 124)  
}
```

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, 212, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 212, 124) }
```

Border

The CSS property to change the border of an element to XYZ 28.1364, 49.0344, 27.0504 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, 212, 124) }
```


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

```
.border{ border-color:rgb(42, 212, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 212, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 212, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 212, 124);  
box-shadow:4px 4px 4px 4px rgb(42, 212,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1364, 49.0344, 27.0504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 212, 124) }
```

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

```
.background{ background-color: rgb(42, 212,  
124) }
```

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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