

# Converting Colors

XYZ(28.3536, 49.7801, 26.0182)

Have a look what the booklet for  
XYZ(28.3536, 49.7801, 26.0182)  
contains.

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# Color

**XYZ(28.4330, 49.9628,  
25.9145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BD678
RGB	43, 214, 120
RGB Percent	17%, 84%, 47%
CMY	0.8314, 0.1608, 0.5294
CMYK	0.80, 0.00, 0.44, 0.16
HSL	147°, 68%, 50%
HSV	147°, 80%, 84%
XYZ	28.4330, 49.9628, 25.9145
YIQ	152.1550, -71.7420, -65.4860

# Conversions

## Conversions Part 2

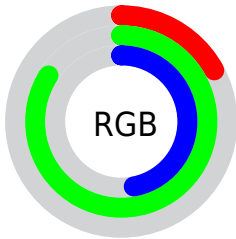
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 161, 214
Decimal	2872952
CIELab	76.05, -62.35, 34.76
CIELCh	76, 71.386, 150.864
Yxy	49.9628, 0.2726, 0.4790
Android (android.graphics.Color)	4281063032 (0xFF2BD678)
YUV	152.1550, -15.8524, -95.7289
Hunter-Lab	70.6844, -51.8955, 27.7420

# Details

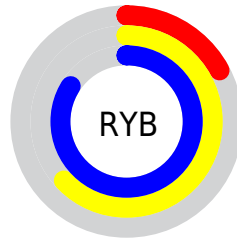
The XYZ color **28.4330, 49.9628, 25.9145** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **33.1124, 17.8311, 25.3655**, and the grayscale version is **30.0018, 31.5642, 34.3734**.

A 20% lighter version of the original color is **50.6389, 78.3190, 51.9833**, and **13.3324, 24.8959, 9.8971** is the 20% darker color. If you saturate the color by 10%, you get **27.0892, 49.3489, 22.3515**, and if you desaturate by 10%, it is **30.3372, 50.8582, 29.9639**.

# Distribution



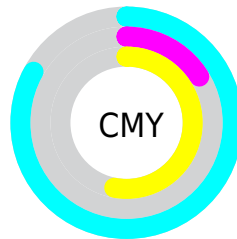
- Red (17%)
- Green (84%)
- Blue (47%)



- Red (17%)
- Yellow (63%)
- Blue (84%)



- Cyan (80%)
- Magenta (0%)
- Yellow (44%)
- Black (16%)




- Cyan (83%)
- Magenta (16%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4330, 49.9628, 25.9145 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 28.4330, 49.9628, 25.9145 by changing the saturation by 10% instead.





 28.4330, 49.9628,  
25.9145


 28.4330, 49.9628,  
25.9145


286.5729,  
386.5204, 295.9542


 18.7944, 35.3838,  
16.5345


 56.5788, 90.1198,  
54.1194

 11.6250, 23.9587,  
9.7447


 75.8168, 116.4665,  
73.7813


 6.5592, 15.3030,  
5.1266


 98.9853, 147.5047,  
97.7077

 3.2319, 9.0323,  
2.2617

 126.4497,  
183.6187, 126.3169

 1.2775, 4.7623,  
0.7097

 158.5752,  
225.1929, 160.0277

 0.1663, 2.1085,  
0.0000

195.7274,

 0.0000, 0.6694,

272.6116, 199.2585

0.0000

238.2715,  
326.2594, 244.4278

■ 0.0000, 0.0000,  
0.0000

■ 28.4330, 49.9628,  
25.9145

■ 28.4330, 49.9628,  
25.9145

■ 27.0892, 49.3489,  
22.3515

■ 30.3372, 50.8582,  
29.9639

■ 26.1833, 48.9496,  
19.2494


■ 32.8656, 52.0635,  
34.5150


■ 26.1756, 48.9462,  
19.2220


■ 36.0768, 53.6100,  
39.5867


■ 40.0215, 55.5235,  
45.1956

■ 44.7451, 57.8271,  
51.3576

 50.2894, 60.5421,  
58.0877

 56.6929, 63.6880,  
65.4005

 63.9919, 67.2833,  
73.3100

 72.2204, 71.3452,  
81.8296

# Harmonies

## Analogous

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



35.5149, 49.9628, 12.5853



28.4330, 49.9628, 25.9145



26.1925, 49.9628, 55.5150

# Triad

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



28.4330, 49.9628, 25.9145



47.8755, 49.9628, 165.7671



73.0646, 49.9628, 24.7630

# Complementary

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



28.4330, 49.9628, 25.9145



33.1124, 17.8311, 25.3655

# 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.



78.0058, 49.9628, 53.3020



28.4330, 49.9628, 25.9145



61.8889, 49.9628, 144.8793

# Square

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



28.4330, 49.9628, 25.9145



36.0691, 49.9628, 147.0156



73.5807, 49.9628, 98.5437



61.0939, 49.9628, 12.1729

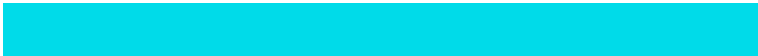


# Rectangle

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



28.4330, 49.9628, 25.9145



27.3372, 49.9628, 84.9580



73.5807, 49.9628, 98.5437



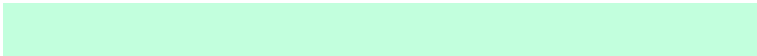
75.6932, 49.9628, 32.2208

# Sweetspot

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



28.4343, 49.9648, 25.9156



71.0557, 88.2024, 81.9363



34.8090, 53.5924, 10.7956



14.5848, 18.5735, 16.7744



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.



28.4343, 49.9648, 25.9156



39.3040, 72.9523, 29.9160



36.1183, 53.0384, 66.3790



12.4925, 13.9880, 14.4081



15.8717, 29.6040, 11.8860



0.9987, 1.8021, 0.9348



# Inverse Universe

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



33.1124, 17.8311, 25.3655



46.4439, 23.5187, 28.7871



29.2065, 16.2687, 4.7972



12.7060, 12.5339, 14.3922



18.7787, 9.4478, 11.4045



1.1741, 0.5864, 0.9062



# Previews

## White Background



This preview shows how the XYZ color 28.4330, 49.9628, 25.9145 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 28.4330, 49.9628, 25.9145 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 28.4330, 49.9628, 25.9145**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.4330, 49.9628, 25.9145.



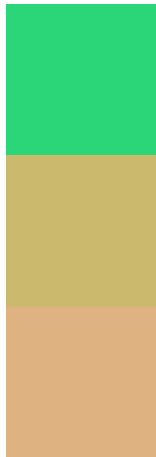
This preview shows how white text looks on a background with the XYZ color 28.4330, 49.9628,



# 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

28.4330, 49.9628, 25.9145

### Protanopia

44.9478, 48.9184, 21.5412

### Deuteranopia

50.0070, 48.9554, 27.5826



## Tritanopia

38.1666, 49.9011, 74.6381

# Trichromacy



## Original Color

28.4330, 49.9628, 25.9145



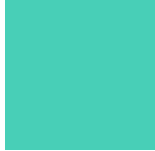
## Protanomaly

34.3976, 46.6919, 22.8223



## Deuteranomaly

36.3013, 45.9361, 26.6919



## Tritanomaly

33.5326, 49.4223, 52.5718

# Monochromacy



## Original Color

28.4330, 49.9628, 25.9145



## Achromatopsia

29.8446, 31.3989, 34.1934



## Achromatomaly

26.7457, 35.9981, 30.3496

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.4330, 49.9628, 25.9145 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(43, 214, 120)` looks like.

```
.text, #text, p{  
    color:rgb(43, 214, 120)  
}
```

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(43, 214, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 214, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 28.4330, 49.9628, 25.9145 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(43, 214, 120) }
```



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

```
.border{ border-color:rgb(43, 214, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 214, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 214, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 214, 120);  
box-shadow:4px 4px 4px 4px rgb(43, 214,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.4330, 49.9628, 25.9145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 214, 120) }
```

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

```
.background{ background-color: rgb(43, 214,  
120) }
```

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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