

Converting Colors

XYZ(31.9500, 54.7593, 28.4412)

Have a look what the booklet for
XYZ(31.9500, 54.7593, 28.4412)
contains.

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Color

**XYZ(31.9373, 54.8132,
28.2988)**

Conversions

Conversions Part 1

Format	Color
Hex	40DE7D
RGB	64, 222, 125
RGB Percent	25%, 87%, 49%
CMY	0.7490, 0.1294, 0.5098
CMYK	0.71, 0.00, 0.44, 0.13
HSL	143°, 71%, 56%
HSV	143°, 71%, 87%
XYZ	31.9373, 54.8132, 28.2988
YIQ	163.7000, -63.0310, -63.6630

Conversions

Conversions Part 2

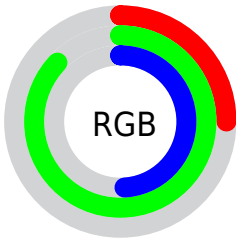
Format	Color
RYB	64, 178, 222
Decimal	4251261
CIELab	78.93, -61.59, 36.04
CIELCh	79, 71.361, 149.662
Yxy	54.8132, 0.2776, 0.4764
Android (android.graphics.Color)	4282441341 (0xFF40DE7D)
YUV	163.7000, -19.0791, -87.4369
Hunter-Lab	74.0359, -52.5623, 29.1627

Details

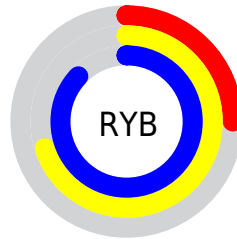
The XYZ color **31.9373, 54.8132, 28.2988** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **38.3923, 21.7707, 35.8987**, and the grayscale version is **35.2545, 37.0905, 40.3915**.

A 20% lighter version of the original color is **53.2568, 79.6000, 55.2052**, and **14.6912, 27.4047, 10.9939** is the 20% darker color. If you saturate the color by 10%, you get **29.9589, 53.8886, 23.9695**, and if you desaturate by 10%, it is **34.6122, 56.0860, 33.2869**.

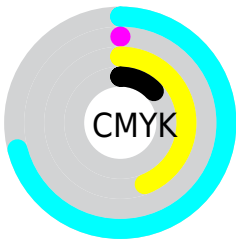
Distribution



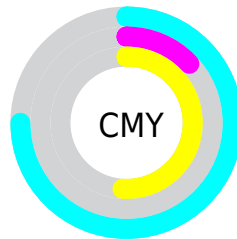
- Red (25%)
- Green (87%)
- Blue (49%)



- Red (25%)
- Yellow (70%)
- Blue (87%)



- Cyan (71%)
- Magenta (0%)
- Yellow (44%)
- Black (13%)




- Cyan (75%)
- Magenta (13%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9373, 54.8132, 28.2988 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 31.9373, 54.8132, 28.2988 by changing the saturation by 10% instead.


 31.9373, 54.8132,
28.2988


 31.9373, 54.8132,
28.2988


302.5839,
405.2034, 307.8487


 21.4689, 39.2522,
18.3100


 62.0786, 97.2672,
57.9900


 13.5816, 26.9560,
11.0011


 82.4823, 124.9290,
78.5294

 7.9100, 17.5402,
5.9534


 106.9285,
157.3932, 103.4229

 4.0887, 10.6204,
2.7484

 135.7825,
195.0441, 133.0888

 1.7525, 5.8122,
0.9677

169.4097,
238.2662, 167.9459

 0.4888, 2.7312,
0.0000

208.1754,

 0.0000, 0.9931,

287.4439, 208.4125

0.0000

252.4450,
342.9615, 254.9073

■ 0.0000, 0.0000,
0.0000

■ 31.9373, 54.8132,
28.2988

■ 31.9373, 54.8132,
28.2988

■ 29.9589, 53.8886,
23.9695

■ 34.6122, 56.0860,
33.2869

■ 28.5953, 53.2662,
20.2663


■ 38.0448, 57.7337,
38.9568


■ 27.7903, 52.9118,
17.4912


■ 42.2941, 59.7875,
45.3350


■ 47.4117, 62.2737,
52.4455

■ 53.4449, 65.2161,
60.3109

 60.4375, 68.6368,
68.9529

 68.4303, 72.5566,
78.3924

 77.4619, 76.9949,
88.6494

 84.2540, 80.2613,
99.5880

Harmonies

Analogous

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



39.7403, 54.8132, 14.3032



31.9373, 54.8132, 28.2988



29.3191, 54.8132, 59.2224

Triad

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



31.9373, 54.8132, 28.2988



51.9375, 54.8132, 176.7190



79.5538, 54.8132, 28.7872

Complementary

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



31.9373, 54.8132, 28.2988



38.3923, 21.7707, 35.8987

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.



84.3838, 54.8132, 60.1445



31.9373, 54.8132, 28.2988



66.7845, 54.8132, 156.4576

Square

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



31.9373, 54.8132, 28.2988



39.5080, 54.8132, 155.5827



79.3405, 54.8132, 108.4315



67.1141, 54.8132, 14.4819

Rectangle

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



31.9373, 54.8132, 28.2988



30.4154, 54.8132, 89.9881



79.3405, 54.8132, 108.4315



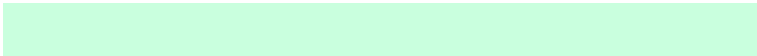
82.2117, 54.8132, 37.0820

Sweetspot

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



31.9387, 54.8154, 28.3001



73.1700, 89.2806, 82.5710



41.8339, 60.2373, 14.2730



15.1417, 18.8560, 17.0096



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.



31.9387, 54.8154, 28.3001



40.0772, 73.3403, 30.4339



39.0845, 57.6737, 65.9291



13.7467, 15.4244, 15.7014



16.5568, 31.4476, 10.6549



1.1905, 2.1969, 0.9643

Inverse Universe

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



38.3923, 21.7707, 35.8987



49.3222, 25.6147, 41.0321



33.4986, 19.8132, 10.1287



14.0591, 13.8413, 16.0813



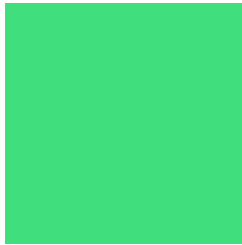
20.6011, 10.3074, 15.0968



1.4714, 0.7318, 1.2750

Previews

White Background



This preview shows how the XYZ color 31.9373, 54.8132, 28.2988 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 31.9373, 54.8132, 28.2988 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 31.9373, 54.8132, 28.2988

Background



This preview shows how black text looks on a background with the XYZ color 31.9373, 54.8132, 28.2988.



This preview shows how white text looks on a background with the XYZ color 31.9373, 54.8132,

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

31.9373, 54.8132, 28.2988

Protanopia

49.4804, 53.7955, 23.6953

Deuteranopia

54.6070, 53.4081, 29.9849



Tritanopia

42.2785, 54.4059, 80.9461

Trichromacy



Original Color

31.9373, 54.8132, 28.2988



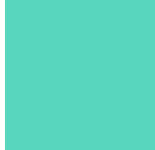
Protanomaly

38.9634, 51.7628, 25.0772



Deuteranomaly

40.8684, 50.5729, 29.0803



Tritanomaly

37.3653, 53.8855, 57.1468

Monochromacy



Original Color

31.9373, 54.8132, 28.2988



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.7561, 41.4891, 35.1886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9373, 54.8132, 28.2988 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(64, 222, 125)` looks like.

```
.text, #text, p{  
    color:rgb(64, 222, 125)  
}
```

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(64, 222, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 222, 125) }
```

Border

The CSS property to change the border of an element to XYZ 31.9373, 54.8132, 28.2988 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(64, 222, 125) }
```


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

```
.border{ border-color:rgb(64, 222, 125) }
```

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

Here you see how a box with a 4 pixel rgb(64, 222, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 222, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 222, 125);  
box-shadow:4px 4px 4px 4px rgb(64, 222,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9373, 54.8132, 28.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 222, 125) }
```

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

```
.background{ background-color: rgb(64, 222,  
125) }
```

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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