

# Converting Colors

XYZ(31.9079, 56.6484, 32.7320)

Have a look what the booklet for  
XYZ(31.9079, 56.6484, 32.7320)  
contains.

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# Color

**XYZ(31.9844, 56.7443,  
32.9339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E389
RGB	0, 227, 137
RGB Percent	0%, 89%, 54%
CMY	0.9999, 0.1098, 0.4627
CMYK	1.00, 0.00, 0.40, 0.11
HSL	156°, 100%, 45%
HSV	156°, 100%, 89%
XYZ	31.9844, 56.7443, 32.9339
YIQ	148.8670, -106.4020, -76.1140

# Conversions

## Conversions Part 2

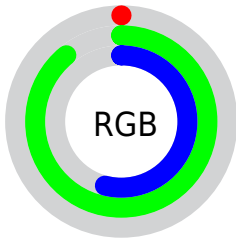
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 142, 227
Decimal	58249
CIELab	80.04, -66.17, 31.33
CIELCh	80, 73.208, 154.666
Yxy	56.7443, 0.2629, 0.4664
Android (android.graphics.Color)	4278248329 (0xFF00E389)
YUV	148.8670, -5.8504, -130.5564
Hunter-Lab	75.3288, -56.0348, 26.8085

# Details

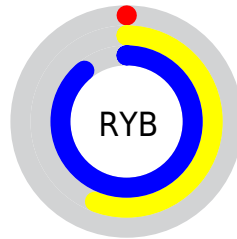
The XYZ color **31.9844, 56.7443, 32.9339** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **33.5261, 17.0703, 11.2045**, and the grayscale version is **28.5697, 30.0575, 32.7327**.

A 20% lighter version of the original color is **51.3483, 78.4697, 61.7301**, and **16.0544, 29.4213, 13.6368** is the 20% darker color. If you saturate the color by 10%, you get **31.9852, 56.7463, 32.9329**, and if you desaturate by 10%, it is **33.0056, 57.1945, 36.4955**.

# Distribution



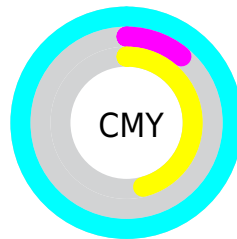
- Red (0%)
- Green (89%)
- Blue (54%)



- Red (0%)
- Yellow (56%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9844, 56.7443, 32.9339 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 31.9844, 56.7443, 32.9339 by changing the saturation by 10% instead.





 31.9844, 56.7443,  
32.9339


 31.9844, 56.7443,  
32.9339


302.7947,  
412.4905, 329.9747


 21.5051, 40.8000,  
21.8051


 62.1520, 100.0920,  
65.3871


 13.6083, 28.1628,  
13.5168


 82.5710, 128.2642,  
87.5487


 7.9286, 18.4484,  
7.6505


 107.0339,  
161.2811, 114.2249

 4.1007, 11.2724,  
3.7876

 135.9061,  
199.5271, 145.8343

 1.7593, 6.2504,  
1.5096

 169.5529,  
243.3867, 182.7954

 0.4929, 2.9979,  
0.2250

208.3397,

 0.0000, 1.1306,

293.2442, 225.5268

0.0000

252.6319,  
349.4840, 274.4470

■ 0.0000, 0.0039,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 31.9844, 56.7443,  
32.9339

■ 31.9844, 56.7443,  
32.9339

■ 31.9852, 56.7463,  
32.9329

■ 33.0056, 57.1945,  
36.4955

■ 34.4874, 57.8743,  
40.3653

■ 36.5634, 58.8539,  
44.5570

■ 39.3098, 60.1724,  
49.0805

■ 42.7911, 61.8630,  
53.9448

■ 47.0636, 63.9546,  
59.1582

■ 52.1782, 66.4733,  
64.7288

■ 58.1812, 69.4428,  
70.6644

■ 65.1155, 72.8852,  
76.9722

# Harmonies

## Analogous

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



39.2401, 56.7443, 15.9211



31.9844, 56.7443, 32.9339



30.1452, 56.7443, 68.6939

# Triad

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



31.9844, 56.7443, 32.9339



56.2951, 56.7443, 184.7461



81.0587, 56.7443, 25.9113

# Complementary

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



31.9844, 56.7443, 32.9339



33.5261, 17.0703, 11.2045

# 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.



87.7767, 56.7443, 55.3554



31.9844, 56.7443, 32.9339



71.9019, 56.7443, 156.6713

# Square

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



31.9844, 56.7443, 32.9339



42.5926, 56.7443, 169.3974



84.1513, 56.7443, 103.9043



67.1280, 56.7443, 13.3713



# Rectangle

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



31.9844, 56.7443, 32.9339



31.8849, 56.7443, 102.6841



84.1513, 56.7443, 103.9043



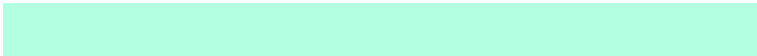
84.3412, 56.7443, 33.5067

# Sweetspot

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



31.9859, 56.7466, 32.9352



67.7803, 86.4624, 84.1132



31.7660, 57.1548, 9.3582



13.8756, 18.1948, 17.3336



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.



31.9859, 56.7466, 32.9352



41.5837, 73.8495, 42.5874



35.5313, 48.8772, 80.2374



14.5528, 16.2345, 17.1756



18.7122, 33.1170, 19.5166



1.4282, 2.4654, 1.6817



# Inverse Universe

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



33.5261, 17.0703, 11.2045



43.5943, 22.2017, 14.3273



31.9806, 16.9330, 1.5833



14.6125, 14.4622, 16.1599



19.6052, 9.9763, 6.8158



1.4935, 0.7551, 0.7392



# Previews

## White Background



This preview shows how the XYZ color 31.9844, 56.7443, 32.9339 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 31.9844, 56.7443, 32.9339 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 31.9844, 56.7443, 32.9339**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.9844, 56.7443, 32.9339.



This preview shows how white text looks on a background with the XYZ color 31.9844, 56.7443,



# 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

31.9844, 56.7443, 32.9339

### Protanopia

51.3995, 55.7093, 27.4460

### Deuteranopia

56.6646, 55.6263, 34.9445



## Tritanopia

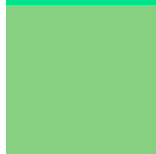
42.7435, 56.7888, 85.7993

# Trichromacy



## Original Color

31.9844, 56.7443, 32.9339



## Protanomaly

36.6717, 51.9310, 28.8598



## Deuteranomaly

38.5266, 50.9909, 33.7983



## Tritanomaly

37.2024, 55.9937, 62.2732

# Monochromacy



## Original Color

31.9844, 56.7443, 32.9339



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

25.5523, 35.9215, 32.3749

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.9844, 56.7443, 32.9339 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(0, 227, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 137)  
}
```

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(0, 227, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 31.9844, 56.7443, 32.9339 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(0, 227, 137) }
```



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

```
.border{ border-color:rgb(0, 227, 137) }
```

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

Here you see how a box with a 4 pixel rgb(0, 227, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.9844, 56.7443, 32.9339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 137) }
```

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

```
.background{ background-color: rgb(0, 227,  
137) }
```

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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