

Converting Colors

XYZ(31.8477, 56.6664, 32.2583)

Have a look what the booklet for
XYZ(31.8477, 56.6664, 32.2583)
contains.

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Color

**XYZ(31.8423, 56.6874,
32.1852)**

Conversions

Conversions Part 1

Format	Color
Hex	00E387
RGB	0, 227, 135
RGB Percent	0%, 89%, 53%
CMY	0.9999, 0.1098, 0.4706
CMYK	1.00, 0.00, 0.41, 0.11
HSL	156°, 100%, 45%
HSV	156°, 100%, 89%
XYZ	31.8423, 56.6874, 32.1852
YIQ	148.6390, -105.7600, -76.7360

Conversions

Conversions Part 2

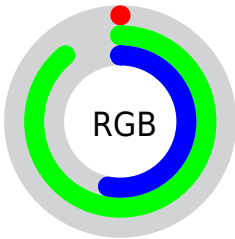
Format	Color
RYB	0, 142, 227
Decimal	58247
CIELab	80.00, -66.54, 32.30
CIELCh	80, 73.968, 154.112
Yxy	56.6874, 0.2638, 0.4696
Android (android.graphics.Color)	4278248327 (0xFF00E387)
YUV	148.6390, -6.7240, -130.3564
Hunter-Lab	75.2910, -56.2676, 27.3586

Details

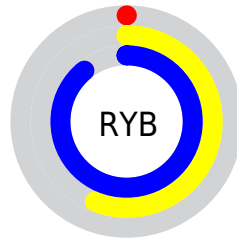
The XYZ color **31.8423, 56.6874, 32.1852** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **33.6129, 17.1052, 11.6611**, and the grayscale version is **28.4784, 29.9615, 32.6280**.

A 20% lighter version of the original color is **51.1296, 78.3823, 60.5786**, and **15.9750, 29.3895, 13.2183** is the 20% darker color. If you saturate the color by 10%, you get **31.8427, 56.6892, 32.1828**, and if you desaturate by 10%, it is **32.8668, 57.1389, 35.7639**.

Distribution



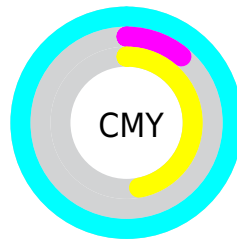
- Red (0%)
- Green (89%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8423, 56.6874, 32.1852 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 31.8423, 56.6874, 32.1852 by changing the saturation by 10% instead.


 31.8423, 56.6874,
32.1852


 31.8423, 56.6874,
32.1852


302.1583,
412.2769, 326.4807


 21.3960, 40.7543,
21.2370


 61.9306, 100.0089,
64.2026


 13.5279, 28.1272,
13.1044


 82.3034, 128.1661,
86.1089


 7.8726, 18.4215,
7.3689


 106.7158,
161.1669, 112.5049

 4.0646, 11.2531,
3.6120

 135.5331,
199.3955, 143.8093

 1.7388, 6.2373,
1.4150

 169.1206,
243.2364, 180.4405

 0.4803, 2.9899,
0.1534

207.8437,

 0.0000, 1.1265,

293.0740, 222.8171

0.0000

252.0679,
349.2927, 271.3577

■ 0.0000, 0.0004,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.8423, 56.6874,
32.1852

■ 31.8423, 56.6874,
32.1852

■ 31.8427, 56.6892,
32.1828

■ 32.8668, 57.1389,
35.7639

■ 34.3544, 57.8211,
39.6625

■ 36.4383, 58.8039,
43.8953

■ 39.1952, 60.1266,
48.4724

■ 42.6894, 61.8224,
53.4034

■ 46.9774, 63.9203,
58.6971

■ 52.1102, 66.4463,
64.3619

■ 58.1342, 69.4242,
70.4059

■ 65.0922, 72.8761,
76.8369

Harmonies

Analogous

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



39.2463, 56.6874, 15.4348



31.8423, 56.6874, 32.1852



29.8939, 56.6874, 67.8485

Triad

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



31.8423, 56.6874, 32.1852



55.9781, 56.6874, 186.5091



81.5161, 56.6874, 25.9758

Complementary

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



31.8423, 56.6874, 32.1852



33.6129, 17.1052, 11.6611

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.



88.1413, 56.6874, 55.9776



31.8423, 56.6874, 32.1852



71.7616, 56.6874, 158.7059

Square

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



31.8423, 56.6874, 32.1852



42.2236, 56.6874, 170.1046



84.2771, 56.6874, 105.3587



67.5048, 56.6874, 13.1975

Rectangle

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



31.8423, 56.6874, 32.1852



31.5765, 56.6874, 102.0733



84.2771, 56.6874, 105.3587



84.7881, 56.6874, 33.7147

Sweetspot

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



31.8438, 56.6897, 32.1865



67.6886, 86.4256, 83.6299



32.1480, 57.3517, 9.3763



13.8538, 18.1861, 17.2186



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.



31.8438, 56.6897, 32.1865



41.3982, 73.7753, 41.6101



36.4435, 50.7014, 80.5413



14.5472, 16.2323, 17.1465



18.6293, 33.0838, 19.0803



1.4224, 2.4631, 1.6508

Inverse Universe

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



33.6129, 17.1052, 11.6611



43.7062, 22.2465, 14.9170



31.9117, 16.7952, 1.5606



14.6179, 14.4643, 16.1882



19.6562, 9.9967, 7.0847



1.4976, 0.7567, 0.7607

Previews

White Background



This preview shows how the XYZ color 31.8423, 56.6874, 32.1852 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 31.8423, 56.6874, 32.1852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

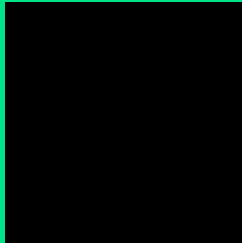
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8423, 56.6874, 32.1852

Background



This preview shows how black text looks on a background with the XYZ color 31.8423, 56.6874, 32.1852.



This preview shows how white text looks on a background with the XYZ color 31.8423, 56.6874,

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

31.8423, 56.6874, 32.1852

Protanopia

51.2730, 55.6587, 26.7797

Deuteranopia

56.6215, 55.3037, 34.0760



Tritanopia

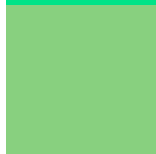
42.5757, 56.3231, 85.7183

Trichromacy



Original Color

31.8423, 56.6874, 32.1852



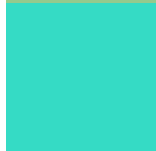
Protanomaly

36.5400, 51.8783, 28.1663



Deuteranomaly

38.1410, 50.4600, 32.9288



Tritanomaly

36.8778, 55.4511, 61.5828

Monochromacy



Original Color

31.8423, 56.6874, 32.1852



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.4755, 35.8908, 31.9705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8423, 56.6874, 32.1852 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 135) }
```

Border

The CSS property to change the border of an element to XYZ 31.8423, 56.6874, 32.1852 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, 135) }
```


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

```
.border{ border-color:rgb(0, 227, 135) }
```

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, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8423, 56.6874, 32.1852 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, 135) }
```

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

```
.background{ background-color: rgb(0, 227,  
135) }
```

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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