

Converting Colors

XYZ(32.2355, 56.8246, 34.3170)

Have a look what the booklet for
XYZ(32.2355, 56.8246, 34.3170)
contains.

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Color

**XYZ(32.2768, 56.8613,
34.4735)**

Conversions

Conversions Part 1

Format	Color
Hex	00E38D
RGB	0, 227, 141
RGB Percent	0%, 89%, 55%
CMY	0.9999, 0.1098, 0.4470
CMYK	1.00, 0.00, 0.38, 0.11
HSL	157°, 100%, 45%
HSV	157°, 100%, 89%
XYZ	32.2768, 56.8613, 34.4735
YIQ	149.3230, -107.6860, -74.8700

Conversions

Conversions Part 2

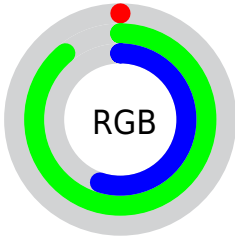
Format	Color
RYB	0, 140, 227
Decimal	58253
CIELab	80.10, -65.40, 29.38
CIELCh	80, 71.691, 155.808
Yxy	56.8613, 0.2611, 0.4600
Android (android.graphics.Color)	4278248333 (0xFF00E38D)
YUV	149.3230, -4.1032, -130.9563
Hunter-Lab	75.4064, -55.5565, 25.6789

Details

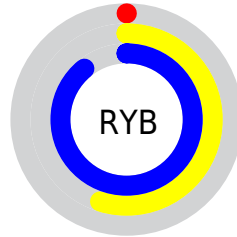
The XYZ color **32.2768, 56.8613, 34.4735** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **33.3604, 17.0041, 10.3318**, and the grayscale version is **28.7553, 30.2529, 32.9454**.

A 20% lighter version of the original color is **51.7947, 78.6483, 64.0805**, and **16.2202, 29.4876, 14.5097** is the 20% darker color. If you saturate the color by 10%, you get **32.2776, 56.8633, 34.4723**, and if you desaturate by 10%, it is **33.2902, 57.3084, 37.9940**.

Distribution



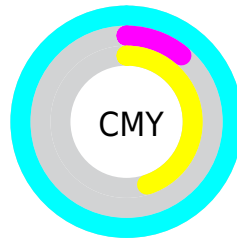
- Red (0%)
- Green (89%)
- Blue (55%)



- Red (0%)
- Yellow (55%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2768, 56.8613, 34.4735 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 32.2768, 56.8613, 34.4735 by changing the saturation by 10% instead.


 32.2768, 56.8613,
34.4735


 32.2768, 56.8613,
34.4735


304.1012,
412.9294, 337.0716

 21.7296, 40.8939,
22.9773


 62.6070, 100.2628,
67.8116


 13.7738, 28.2362,
14.3716


 83.1208, 128.4656,
90.4906


 8.0442, 18.5038,
8.2379


 107.6874,
161.5158, 117.7343

 4.1753, 11.3123,
4.1576

 136.6723,
199.7976, 149.9611

 1.8018, 6.2773,
1.7122

 170.4407,
243.6954, 187.5898

 0.5187, 3.0144,
0.3691

209.3581,

 0.0000, 1.1393,

293.5938, 231.0387

0.0000

253.7898,
349.8770, 280.7265

■ 0.0000, 0.0112,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.2768, 56.8613,
34.4735

■ 32.2768, 56.8613,
34.4735


■ 32.2776, 56.8633,
34.4723


■ 33.2902, 57.3084,
37.9940


■ 34.7600, 57.9834,
41.7998


■ 36.8193, 58.9563,
45.9038


■ 39.5445, 60.2663,
50.3150

 42.9996, 61.9465,
55.0415

 47.2410, 64.0257,
60.0910

 52.3194, 66.5299,
65.4708

 58.2810, 69.4828,
71.1877

 65.1685, 72.9065,
77.2486

Harmonies

Analogous

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



39.2337, 56.8613, 16.9326



32.2768, 56.8613, 34.4735



30.6591, 56.8613, 70.4059

Triad

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



32.2768, 56.8613, 34.4735



56.9346, 56.8613, 181.2178



80.1454, 56.8613, 25.7919

Complementary

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



32.2768, 56.8613, 34.4735



33.3604, 17.0041, 10.3318

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.



87.0444, 56.8613, 54.1308



32.2768, 56.8613, 34.4735



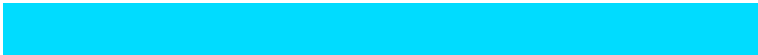
72.1810, 56.8613, 152.6304

Square

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



32.2768, 56.8613, 34.4735



43.3420, 56.8613, 167.9574



83.8950, 56.8613, 101.0298



66.3791, 56.8613, 13.7320

Rectangle

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



32.2768, 56.8613, 34.4735



32.5146, 56.8613, 103.9035



83.8950, 56.8613, 101.0298



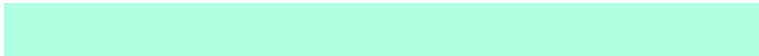
83.4475, 56.8613, 33.1019

Sweetspot

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



32.2783, 56.8636, 34.4748



67.9646, 86.5361, 85.0837



31.4034, 56.9680, 9.3413



13.9195, 18.2124, 17.5648



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

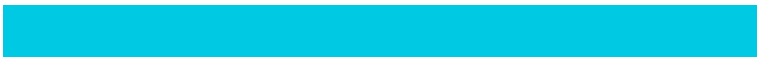
The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.2783, 56.8636, 34.4748



41.9647, 74.0019, 44.5938



34.6413, 47.0972, 79.9407



14.5638, 16.2390, 17.2338



18.8821, 33.1850, 20.4114



1.4402, 2.4702, 1.7445

Inverse Universe

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



33.3604, 17.0041, 10.3318



43.3798, 22.1159, 13.1978



32.0604, 17.0926, 1.6099



14.6018, 14.4579, 16.1034



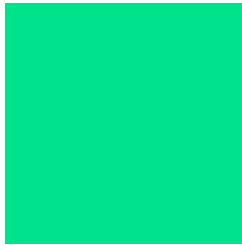
19.5072, 9.9371, 6.2998



1.4856, 0.7519, 0.6975

Previews

White Background



This preview shows how the XYZ color 32.2768, 56.8613, 34.4735 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 32.2768, 56.8613, 34.4735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

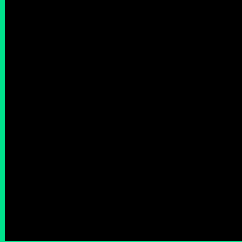
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2768, 56.8613, 34.4735

Background



This preview shows how black text looks on a background with the XYZ color 32.2768, 56.8613, 34.4735.

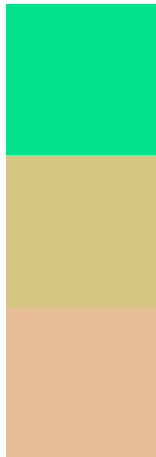


This preview shows how white text looks on a background with the XYZ color 32.2768, 56.8613,

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

32.2768, 56.8613, 34.4735

Protanopia

51.6603, 55.8136, 28.8192

Deuteranopia

56.6576, 55.5861, 36.5972



Tritanopia

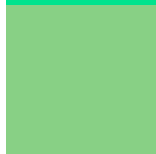
42.6572, 56.7443, 85.7953

Trichromacy



Original Color

32.2768, 56.8613, 34.4735



Protanomaly

36.9429, 52.0394, 30.2878



Deuteranomaly

38.6550, 51.0215, 35.4146



Tritanomaly

37.4347, 56.0866, 63.4964

Monochromacy



Original Color

32.2768, 56.8613, 34.4735



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.6298, 35.9525, 32.7828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2768, 56.8613, 34.4735 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 141) }
```

Border

The CSS property to change the border of an element to XYZ 32.2768, 56.8613, 34.4735 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, 141) }
```


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

```
.border{ border-color:rgb(0, 227, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2768, 56.8613, 34.4735 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, 141) }
```

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

```
.background{ background-color: rgb(0, 227,  
141) }
```

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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