

Converting Colors

XYZ(32.4127, 56.8937, 35.2567)

Have a look what the booklet for
XYZ(32.4127, 56.8937, 35.2567)
contains.

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Color

**XYZ(32.4270, 56.9213,
35.2644)**

Conversions

Conversions Part 1

Format	Color
Hex	00E38F
RGB	0, 227, 143
RGB Percent	0%, 89%, 56%
CMY	0.9999, 0.1098, 0.4392
CMYK	1.00, 0.00, 0.37, 0.11
HSL	158°, 100%, 45%
HSV	158°, 100%, 89%
XYZ	32.4270, 56.9213, 35.2644
YIQ	149.5510, -108.3280, -74.2480

Conversions

Conversions Part 2

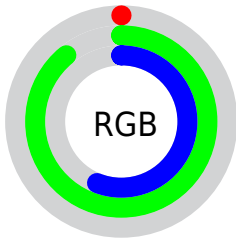
Format	Color
RYB	0, 139, 227
Decimal	58255
CIELab	80.14, -65.00, 28.40
CIELCh	80, 70.935, 156.397
Yxy	56.9213, 0.2602, 0.4568
Android (android.graphics.Color)	4278248335 (0xFF00E38F)
YUV	149.5510, -3.2296, -131.1562
Hunter-Lab	75.4462, -55.3110, 25.0995

Details

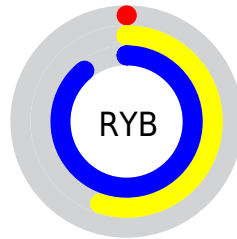
The XYZ color **32.4270, 56.9213, 35.2644** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **33.2811, 16.9724, 9.9143**, and the grayscale version is **28.8489, 30.3513, 33.0526**.

A 20% lighter version of the original color is **52.0224, 78.7394, 65.2797**, and **16.3065, 29.5222, 14.9641** is the 20% darker color. If you saturate the color by 10%, you get **32.4276, 56.9232, 35.2624**, and if you desaturate by 10%, it is **33.4359, 57.3666, 38.7608**.

Distribution



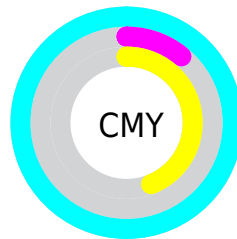
- Red (0%)
- Green (89%)
- Blue (56%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4270, 56.9213, 35.2644 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 32.4270, 56.9213, 35.2644 by changing the saturation by 10% instead.


 32.4270, 56.9213,
35.2644


 32.4270, 56.9213,
35.2644


304.7706,
413.1543, 340.6735


 21.8450, 40.9421,
23.5814


 62.8406, 100.3503,
69.0514


 13.8590, 28.2738,
14.8141


 83.4029, 128.5689,
91.9925


 8.1037, 18.5322,
8.5438


 108.0226,
161.6361, 119.5233

 4.2137, 11.3327,
4.3521

 137.0651,
199.9362, 152.0626

 1.8238, 6.2911,
1.8204

 170.8959,
243.8537, 190.0286

 0.5319, 3.0229,
0.4414

209.8801,

 0.0000, 1.1437,

293.7730, 233.8401

0.0000

254.3833,
350.0784, 283.9156

■ 0.0000, 0.0150,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.4270, 56.9213,
35.2644

■ 32.4270, 56.9213,
35.2644


■ 32.4276, 56.9232,
35.2624


■ 33.4359, 57.3666,
38.7608


■ 34.8990, 58.0389,
42.5313


■ 36.9496, 59.0084,
46.5884


■ 39.6637, 60.3140,
50.9408

 43.1055, 61.9889,
55.5961

 47.3312, 64.0618,
60.5617

 52.3914, 66.5587,
65.8445

 58.3322, 69.5033,
71.4511

 65.1964, 72.9177,
77.3880

Harmonies

Analogous

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



39.2335, 56.9213, 17.4580



32.4270, 56.9213, 35.2644



30.9215, 56.9213, 71.2722

Triad

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



32.4270, 56.9213, 35.2644



57.2569, 56.9213, 179.4536



79.6896, 56.9213, 25.7368

Complementary

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



32.4270, 56.9213, 35.2644



33.2811, 16.9724, 9.9143

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.



86.6770, 56.9213, 53.5284



32.4270, 56.9213, 35.2644



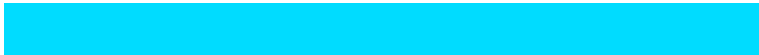
72.3198, 56.9213, 150.6251

Square

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



32.4270, 56.9213, 35.2644



43.7222, 56.9213, 167.2251



83.7644, 56.9213, 99.6101



66.0069, 56.9213, 13.9189

Rectangle

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



32.4270, 56.9213, 35.2644



32.8356, 56.9213, 104.5119



83.7644, 56.9213, 99.6101



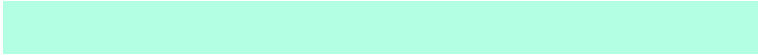
83.0007, 56.9213, 32.9052

Sweetspot

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



32.4285, 56.9236, 35.2657



68.0572, 86.5731, 85.5714



31.4037, 56.9680, 9.3414



13.9416, 18.2212, 17.6810



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.



32.4285, 56.9236, 35.2657



42.1604, 74.0802, 45.6239



34.6414, 47.0974, 79.9406



14.5693, 16.2412, 17.2629



18.9693, 33.2198, 20.8705



1.4463, 2.4726, 1.7765

Inverse Universe

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



33.2811, 16.9724, 9.9143



43.2771, 22.0748, 12.6570



32.0605, 17.0928, 1.6101



14.5964, 14.4558, 16.0752



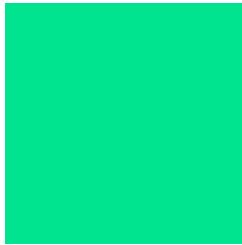
19.4602, 9.9183, 6.0522



1.4817, 0.7504, 0.6772

Previews

White Background



This preview shows how the XYZ color 32.4270, 56.9213, 35.2644 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 32.4270, 56.9213, 35.2644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

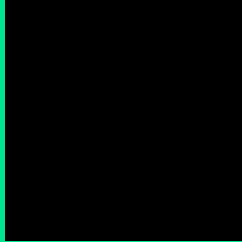
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

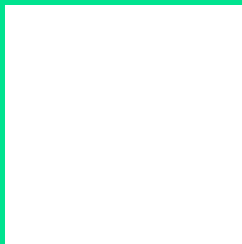
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4270, 56.9213, 35.2644

Background



This preview shows how black text looks on a background with the XYZ color 32.4270, 56.9213, 35.2644.

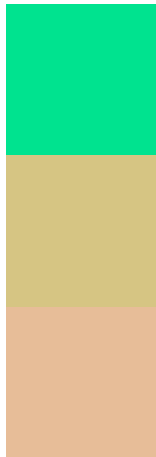


This preview shows how white text looks on a background with the XYZ color 32.4270, 56.9213,

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

32.4270, 56.9213, 35.2644

Protanopia

51.7945, 55.8673, 29.5263

Deuteranopia

56.8201, 55.6511, 37.4528



Tritanopia

42.8005, 56.8016, 86.5499

Trichromacy



Original Color

32.4270, 56.9213, 35.2644



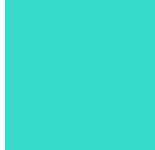
Protanomaly

37.0824, 52.0953, 31.0226



Deuteranomaly

38.8134, 51.0848, 36.2485



Tritanomaly

37.5520, 56.1335, 64.1140

Monochromacy



Original Color

32.4270, 56.9213, 35.2644



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

25.9062, 36.3803, 33.2605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4270, 56.9213, 35.2644 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 143) }
```

Border

The CSS property to change the border of an element to XYZ 32.4270, 56.9213, 35.2644 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, 143) }
```


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

```
.border{ border-color:rgb(0, 227, 143) }
```

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, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4270, 56.9213, 35.2644 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, 143) }
```

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

```
.background{ background-color: rgb(0, 227,  
143) }
```

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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