

# Converting Colors

XYZ(39.5297, 67.9590, 47.3976)

Have a look what the booklet for  
XYZ(39.5297, 67.9590, 47.3976)  
contains.

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# Color

**XYZ(39.6275, 68.0948,  
47.6143)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00F5A7
RGB	0, 245, 167
RGB Percent	0%, 96%, 65%
CMY	0.9999, 0.0392, 0.3451
CMYK	1.00, 0.00, 0.32, 0.04
HSL	161°, 100%, 48%
HSV	161°, 100%, 96%
XYZ	39.6275, 68.0948, 47.6143
YIQ	162.8530, -120.9820, -76.1980

# Conversions

## Conversions Part 2

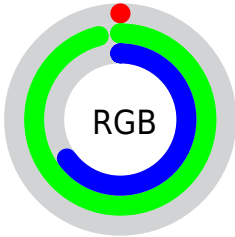
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 146, 245
Decimal	62887
CIELab	86.05, -66.36, 24.15
CIELCh	86, 70.617, 160.003
Yxy	68.0948, 0.2551, 0.4384
Android (android.graphics.Color)	4278252967 (0xFF00F5A7)
YUV	162.8530, 2.0445, -142.8221
Hunter-Lab	82.5196, -58.6901, 23.5530

# Details

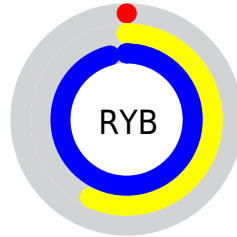
The XYZ color **39.6275, 68.0948, 47.6143** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **39.0344, 19.9645, 9.0107**, and the grayscale version is **34.7807, 36.5920, 39.8487**.

A 20% lighter version of the original color is **55.7549, 80.3046, 81.6690**, and **20.8648, 36.7785, 22.2189** is the 20% darker color. If you saturate the color by 10%, you get **39.6278, 68.0969, 47.6104**, and if you desaturate by 10%, it is **40.7617, 68.5954, 51.5483**.

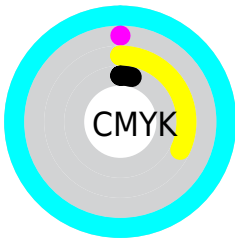
# Distribution



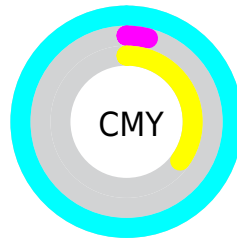
- Red (0%)
- Green (96%)
- Blue (65%)



- Red (0%)
- Yellow (57%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (4%)



- Cyan (100%)
- Magenta (4%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6275, 68.0948, 47.6143 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 39.6275, 68.0948, 47.6143 by changing the saturation by 10% instead.





 39.6275, 68.0948,  
47.6143


 39.6275, 68.0948,  
47.6143


335.7124,  
453.8318, 393.7258


 27.4311, 49.9749,  
33.1637


 73.8839, 116.4878,  
87.9894


 18.0356, 35.3934,  
21.9798


 96.6747, 147.5296,  
114.7510


 11.0754, 23.9661,  
13.6439


 123.7276,  
183.6474, 146.4534

 6.1852, 15.3085,  
7.7375

 155.4081,  
225.2258, 183.5151

 2.9998, 9.0362,  
3.8421

 192.0814,  
272.6490, 226.3547

 1.1536, 4.7648,  
1.5391

234.1131,

 0.0693, 2.1099,

326.3015, 275.3906

0.2468

281.8683,  
386.5676, 331.0415

■ 0.0000, 0.6702,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.6275, 68.0948,  
47.6143

■ 39.6275, 68.0948,  
47.6143

■ 39.6278, 68.0969,  
47.6104

■ 40.7617, 68.5954,  
51.5483

■ 42.4281, 69.3635,  
55.7368

■ 44.7808, 70.4801,  
60.1922

■ 47.9115, 71.9927,  
64.9224

■ 51.8975, 73.9407,  
69.9348

■ 56.8062, 76.3590,  
75.2359

■ 62.6983, 79.2787,  
80.8321

■ 69.6290, 82.7282,  
86.7294

■ 77.6493, 86.7339,  
92.9333

# Harmonies

## Analogous

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



46.6815, 68.0948, 24.6304



39.6275, 68.0948, 47.6143



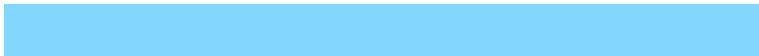
38.6228, 68.0948, 90.7560

# Triad

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



39.6275, 68.0948, 47.6143



70.2888, 68.0948, 201.3797



91.6553, 68.0948, 30.2903

# Complementary

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



39.6275, 68.0948, 47.6143



39.0344, 19.9645, 9.0107

# 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.



100.5272, 68.0948, 59.6933



39.6275, 68.0948, 47.6143



86.8981, 68.0948, 165.7014

# Square

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



39.6275, 68.0948, 47.6143



54.6372, 68.0948, 193.6457



98.6541, 68.0948, 109.0525



75.9772, 68.0948, 17.9162



# Rectangle

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



39.6275, 68.0948, 47.6143



41.3074, 68.0948, 128.3403



98.6541, 68.0948, 109.0525



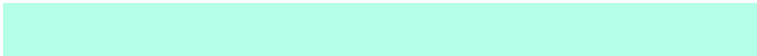
95.6421, 68.0948, 37.8639

# Sweetspot

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



39.6293, 68.0975, 47.6159



68.6082, 86.7935, 88.4728



36.1067, 67.0873, 11.0471



14.0733, 18.2738, 18.3743



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.



39.6293, 68.0975, 47.6159



43.3809, 74.5684, 52.0513



38.1171, 49.8623, 94.0047



16.7591, 18.6628, 20.0155



21.4133, 36.7102, 25.9940



1.9286, 3.2451, 2.5300



# Inverse Universe

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



39.0344, 19.9645, 9.0107



42.7325, 21.8570, 9.7896



38.4459, 20.9897, 2.0261



16.7165, 16.5695, 18.2539



21.0827, 10.7765, 5.1437

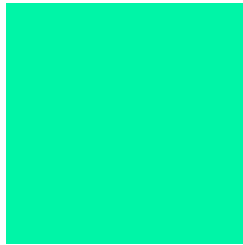


1.8977, 0.9651, 0.6879



# Previews

## White Background



This preview shows how the XYZ color 39.6275, 68.0948, 47.6143 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 39.6275, 68.0948, 47.6143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

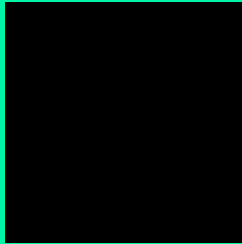
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.6275, 68.0948, 47.6143**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6275, 68.0948, 47.6143.



This preview shows how white text looks on a background with the XYZ color 39.6275, 68.0948,



# Color Blindness Simulation

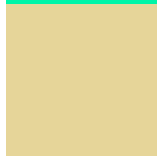
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

39.6275, 68.0948, 47.6143



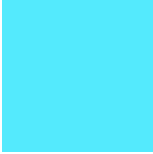
### Protanopia

62.1771, 66.7114, 39.7365



### Deuteranopia

68.0256, 66.5714, 50.3385



## **Tritanopia**

50.8086, 67.8223, 103.3416

# Trichromacy



## Original Color

39.6275, 68.0948, 47.6143



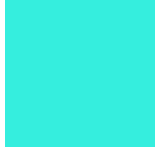
## Protanomaly

44.9508, 62.4300, 42.0288



## Deuteranomaly

47.0407, 61.3716, 48.9018



## Tritanomaly

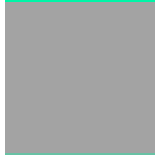
45.2276, 67.1799, 79.6905

# Monochromacy



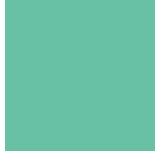
## Original Color

39.6275, 68.0948, 47.6143



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

31.4797, 43.7633, 41.9100

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6275, 68.0948, 47.6143 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, 245, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 167)  
}
```

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, 245, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6275, 68.0948, 47.6143 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, 245, 167) }
```



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

```
.border{ border-color:rgb(0, 245, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 245, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6275, 68.0948, 47.6143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 167) }
```

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

```
.background{ background-color: rgb(0, 245,  
167) }
```

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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