

Converting Colors

XYZ(39.5068, 67.9498, 47.2769)

Have a look what the booklet for
XYZ(39.5068, 67.9498, 47.2769)
contains.

XYZ(39.5353, 68.0580, 47.1292)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.5353, 68.0580,
47.1292)**

Conversions

Conversions Part 1

Format	Color
Hex	00F5A6
RGB	0, 245, 166
RGB Percent	0%, 96%, 65%
CMY	0.9999, 0.0392, 0.3490
CMYK	1.00, 0.00, 0.32, 0.04
HSL	161°, 100%, 48%
HSV	161°, 100%, 96%
XYZ	39.5353, 68.0580, 47.1292
YIQ	162.7390, -120.6610, -76.5090

Conversions

Conversions Part 2

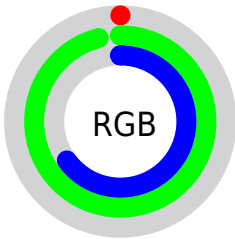
Format	Color
RYB	0, 146, 245
Decimal	62886
CIELab	86.04, -66.57, 24.63
CIELCh	86, 70.982, 159.693
Yxy	68.0580, 0.2555, 0.4399
Android (android.graphics.Color)	4278252966 (0xFF00F5A6)
YUV	162.7390, 1.6077, -142.7221
Hunter-Lab	82.4973, -58.8274, 23.8768

Details

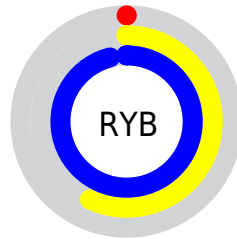
The XYZ color **39.5353, 68.0580, 47.1292** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **39.0701, 19.9786, 9.1990**, and the grayscale version is **34.7273, 36.5358, 39.7875**.

A 20% lighter version of the original color is **55.6212, 80.2512, 80.9651**, and **20.8076, 36.7556, 21.9174** is the 20% darker color. If you saturate the color by 10%, you get **39.5361, 68.0603, 47.1271**, and if you desaturate by 10%, it is **40.6735, 68.5602, 51.0848**.

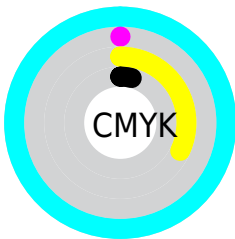
Distribution



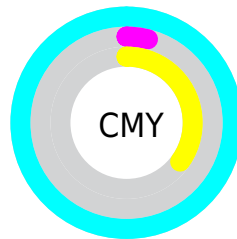
- Red (0%)
- Green (96%)
- Blue (65%)



- 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 39.5353, 68.0580, 47.1292 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 39.5353, 68.0580, 47.1292 by changing the saturation by 10% instead.


 39.5353, 68.0580,
47.1292


 39.5353, 68.0580,
47.1292


335.3291,
453.7015, 391.7387


 27.3590, 49.9449,
32.7827


 73.7442, 116.4351,
87.2584


 17.9810, 35.3696,
21.6903

 96.5075, 147.4679,
113.8783


 11.0360, 23.9477,
13.4334


 123.5306,
183.5761, 145.4264

 6.1585, 15.2949,
7.5934

 155.1787,
225.1441, 182.3212

 2.9833, 9.0266,
3.7519

 191.8173,
272.5562, 224.9813

 1.1449, 4.7585,
1.4902

233.8116,

 0.0622, 2.1063,

326.1969, 273.8252

0.2106

281.5271,
386.4505, 329.2715

■ 0.0000, 0.6682,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.5353, 68.0580,
47.1292

■ 39.5353, 68.0580,
47.1292

■ 39.5361, 68.0603,
47.1271

■ 40.6735, 68.5602,
51.0848

■ 42.3447, 69.3302,
55.3003

■ 44.7033, 70.4492,
59.7884

■ 47.8410, 71.9644,
64.5572

■ 51.8351, 73.9156,
69.6142

■ 56.7530, 76.3376,
74.9661

■ 62.6555, 79.2614,
80.6193

■ 69.5978, 82.7155,
86.5799

■ 77.6309, 86.7262,
92.8539

Harmonies

Analogous

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



46.6748, 68.0580, 24.2938



39.5353, 68.0580, 47.1292



38.4651, 68.0580, 90.2551

Triad

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



39.5353, 68.0580, 47.1292



70.1050, 68.0580, 202.3497



91.9042, 68.0580, 30.3102

Complementary

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



39.5353, 68.0580, 47.1292



39.0701, 19.9786, 9.1990

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.



100.7322, 68.0580, 60.0040



39.5353, 68.0580, 47.1292



86.8232, 68.0580, 166.7716

Square

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



39.5353, 68.0580, 47.1292



54.4148, 68.0580, 194.0751



98.7309, 68.0580, 109.7962



76.1770, 68.0580, 17.7976

Rectangle

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



39.5353, 68.0580, 47.1292



41.1158, 68.0580, 128.0081



98.7309, 68.0580, 109.7962



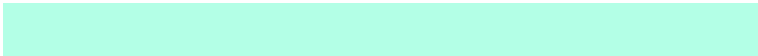
95.8875, 68.0580, 37.9601

Sweetspot

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



39.5371, 68.0607, 47.1308



68.5644, 86.7760, 88.2420



36.1060, 67.0870, 11.0468



14.0628, 18.2696, 18.3190



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.



39.5371, 68.0607, 47.1308



43.2803, 74.5281, 51.5215



38.1166, 49.8615, 94.0047



16.7561, 18.6616, 19.9999



21.3642, 36.6905, 25.7353



1.9246, 3.2435, 2.5087

Inverse Universe

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



39.0701, 19.9786, 9.1990



42.7719, 21.8727, 9.9967



38.4456, 20.9890, 2.0257



16.7194, 16.5706, 18.2688



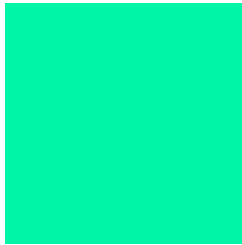
21.1026, 10.7845, 5.2485



1.8998, 0.9659, 0.6985

Previews

White Background



This preview shows how the XYZ color 39.5353, 68.0580, 47.1292 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 39.5353, 68.0580, 47.1292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

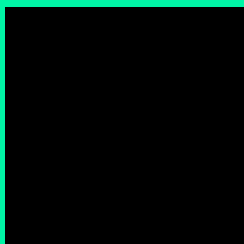
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5353, 68.0580, 47.1292

Background



This preview shows how black text looks on a background with the XYZ color 39.5353, 68.0580, 47.1292.



This preview shows how white text looks on a background with the XYZ color 39.5353, 68.0580,

Color Blindness Simulation

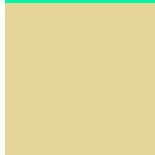
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



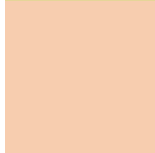
Original Color

39.5353, 68.0580, 47.1292



Protanopia

62.0949, 66.6785, 39.3032



Deuteranopia

67.9270, 66.5319, 49.8193



Tritanopia

50.8086, 67.8223, 103.3416

Trichromacy



Original Color

39.5353, 68.0580, 47.1292



Protanomaly

44.8651, 62.3957, 41.5772



Deuteranomaly

46.9442, 61.3331, 48.3940



Tritanomaly

45.0939, 67.1264, 78.9866

Monochromacy



Original Color

39.5353, 68.0580, 47.1292



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 39.5353, 68.0580, 47.1292 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 166) }
```

Border

The CSS property to change the border of an element to XYZ 39.5353, 68.0580, 47.1292 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, 166) }
```


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

```
.border{ border-color:rgb(0, 245, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5353, 68.0580, 47.1292 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, 166) }
```

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

```
.background{ background-color: rgb(0, 245,  
166) }
```

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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