

Converting Colors

XYZ(47.4373, 76.9658, 38.4026)

Have a look what the booklet for
XYZ(47.4373, 76.9658, 38.4026)
contains.

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Color

**XYZ(47.4000, 76.9479,
38.3408)**

Conversions

Conversions Part 1

Format	Color
Hex	70FF8F
RGB	112, 255, 143
RGB Percent	44%, 100%, 56%
CMY	0.5608, 0.0000, 0.4392
CMYK	0.56, 0.00, 0.44, 0.00
HSL	133°, 100%, 72%
HSV	133°, 56%, 100%
XYZ	47.4000, 76.9479, 38.3408
YIQ	199.4750, -49.2760, -65.1480

Conversions

Conversions Part 2

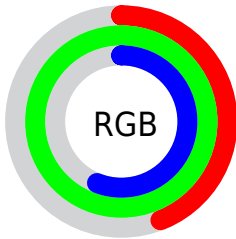
Format	Color
RYB	112, 230, 255
Decimal	7405455
CIELab	90.30, -61.67, 42.04
CIELCh	90, 74.639, 145.719
Yxy	76.9479, 0.2914, 0.4730
Android (android.graphics.Color)	4285595535 (0xFF70FF8F)
YUV	199.4750, -27.8422, -76.7156
Hunter-Lab	87.7200, -57.0564, 35.4894

Details

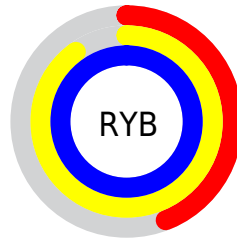
The XYZ color **47.4000, 76.9479, 38.3408** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **60.4887, 38.2304, 74.7110**, and the grayscale version is **54.7642, 57.6162, 62.7440**.

A 20% lighter version of the original color is **63.1866, 84.4815, 66.4023**, and **22.6913, 41.1192, 16.6384** is the 20% darker color. If you saturate the color by 10%, you get **43.2212, 74.9532, 30.9386**, and if you desaturate by 10%, it is **52.7675, 79.5243, 47.2071**.

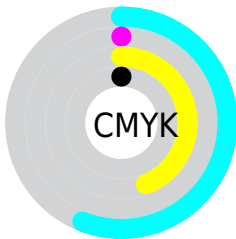
Distribution



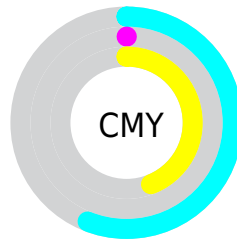
- Red (44%)
- Green (100%)
- Blue (56%)



- Red (44%)
- Yellow (90%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4000, 76.9479, 38.3408 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 47.4000, 76.9479, 38.3408 by changing the saturation by 10% instead.


 47.4000, 76.9479,
38.3408


 47.4000, 76.9479,
38.3408


367.0312,
484.5864, 354.4216


 33.5613, 57.2101,
25.9434


 85.5255, 129.0659,
73.8394

 22.7180, 41.1740,
16.5559


 110.5430,
162.2150, 97.7777

 14.5050, 28.4550,
9.7598


 140.0174,
200.6032, 126.4001

 8.5568, 18.6690,
5.1365

174.3141,
244.6151, 160.1250

 4.5080, 11.4313,
2.2674

213.7985,
294.6349, 199.3711

 1.9934, 6.3577,
0.7129

258.8359,

 0.6302, 3.0638,

351.0471, 244.5569

0.0000

309.7917,
414.2362, 296.1008

■ 0.0000, 1.1651,
0.0000

■ 0.0000, 0.0329,
0.0000

■ 47.4000, 76.9479,
38.3408

■ 47.4000, 76.9479,
38.3408

■ 43.2212, 74.9532,
30.9386

■ 52.7675, 79.5243,
47.2071

■ 40.1357, 73.4926,
24.9178


■ 59.4062, 82.7234,
57.6067


■ 38.0350, 72.5121,
20.1930

■ 67.3926, 86.5831,
69.6090

■ 36.7857, 71.9447,
16.6676

■ 76.7964, 91.1381,
83.2780

 36.4564, 71.7986,
15.5872

 87.6829, 96.4208,
98.6741

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



58.6965, 76.9479, 21.2591



47.4000, 76.9479, 38.3408



42.9703, 76.9479, 76.3718

Triad

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



47.4000, 76.9479, 38.3408



70.5009, 76.9479, 232.9308



110.2958, 76.9479, 46.7496

Complementary

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



47.4000, 76.9479, 38.3408



60.4887, 38.2304, 74.7110

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.



114.8834, 76.9479, 91.6591



47.4000, 76.9479, 38.3408



89.7699, 76.9479, 213.9834

Square

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



47.4000, 76.9479, 38.3408



54.7953, 76.9479, 200.0211



106.8241, 76.9479, 155.6774



95.1726, 76.9479, 24.4712

Rectangle

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



47.4000, 76.9479, 38.3408



43.8439, 76.9479, 114.6881



106.8241, 76.9479, 155.6774



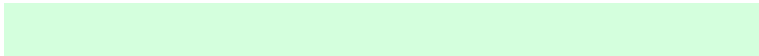
113.2200, 76.9479, 58.9980

Sweetspot

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



47.4004, 76.9481, 38.3420



75.8681, 90.6881, 81.9461



69.4305, 88.5399, 28.7602



15.8153, 19.2057, 16.9296



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.



47.4004, 76.9481, 38.3420



42.8924, 74.7969, 30.3268



54.6418, 79.8446, 76.4744



17.9327, 20.2326, 19.9487



19.0937, 37.5341, 8.3788



1.8974, 3.6699, 1.0175

Inverse Universe

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



60.4887, 38.2304, 74.7110



57.0717, 32.6838, 69.6030



52.7443, 35.1327, 33.9299



18.6141, 18.2290, 21.8511



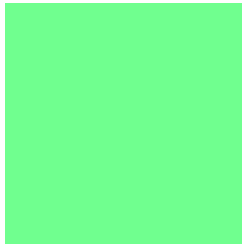
27.0367, 13.3040, 29.9075



2.6723, 1.3113, 3.1219

Previews

White Background



This preview shows how the XYZ color 47.4000, 76.9479, 38.3408 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 47.4000, 76.9479, 38.3408 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 47.4000, 76.9479, 38.3408

Background



This preview shows how black text looks on a background with the XYZ color 47.4000, 76.9479, 38.3408.

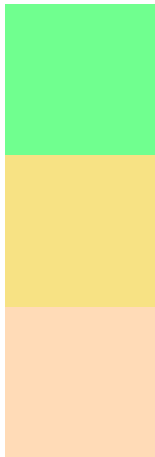


This preview shows how white text looks on a background with the XYZ color 47.4000, 76.9479,

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

47.4000, 76.9479, 38.3408

Protanopia

69.7190, 75.8328, 32.7924

Deuteranopia

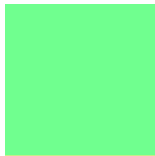
75.1188, 75.3419, 55.3830



Tritanopia

63.6144, 76.5301, 106.0267

Trichromacy



Original Color

47.4000, 76.9479, 38.3408



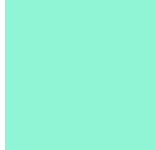
Protanomaly

58.0168, 74.3517, 34.5861



Deuteranomaly

60.5531, 73.2369, 47.9904



Tritanomaly

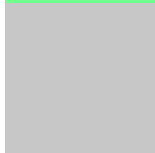
56.1177, 75.9995, 75.3300

Monochromacy



Original Color

47.4000, 76.9479, 38.3408



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.4046, 62.1332, 52.0368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4000, 76.9479, 38.3408 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(112, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 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(112, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 143) }
```

Border

The CSS property to change the border of an element to XYZ 47.4000, 76.9479, 38.3408 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(112, 255, 143) }
```


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

```
.border{ border-color:rgb(112, 255, 143) }
```

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

Here you see how a box with a 4 pixel rgb(112, 255, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4000, 76.9479, 38.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 143) }
```

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

```
.background{ background-color: rgb(112,  
255, 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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