

Converting Colors

XYZ(42.8156, 74.3465, 48.8804)

Have a look what the booklet for
XYZ(42.8156, 74.3465, 48.8804)
contains.

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Color

**XYZ(42.7726, 74.3294,
48.6519)**

Conversions

Conversions Part 1

Format	Color
Hex	03FFA7
RGB	3, 255, 167
RGB Percent	1%, 100%, 65%
CMY	0.9881, 0.0000, 0.3451
CMYK	0.99, 0.00, 0.35, 0.00
HSL	159°, 100%, 51%
HSV	159°, 99%, 100%
XYZ	42.7726, 74.3294, 48.6519
YIQ	169.6200, -121.9440, -80.7920

Conversions

Conversions Part 2

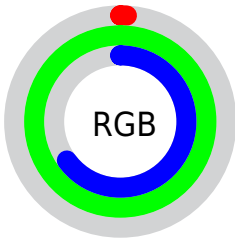
Format	Color
R _Y B	3, 156, 255
Decimal	262055
CIE Lab	89.08, -69.76, 28.27
CIE LCh	89, 75.273, 157.942
Yxy	74.3294, 0.2580, 0.4484
Android (android.graphics.Color)	4278452135 (0xFF03FFA7)
YUV	169.6200, -1.2917, -146.1257
Hunter-Lab	86.2145, -62.3182, 26.8921

Details

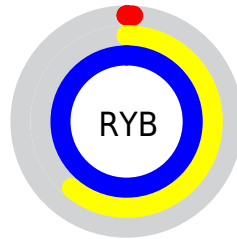
The XYZ color **42.7726, 74.3294, 48.6519** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **43.1623, 22.0815, 11.8904**, and the grayscale version is **38.0729, 40.0556, 43.6206**.

A 20% lighter version of the original color is **56.2817, 80.5607, 82.3955**, and **23.0035, 41.1474, 22.6494** is the 20% darker color. If you saturate the color by 10%, you get **42.6379, 74.2712, 48.1386**, and if you desaturate by 10%, it is **44.0808, 74.9053, 53.1615**.

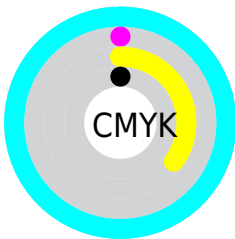
Distribution



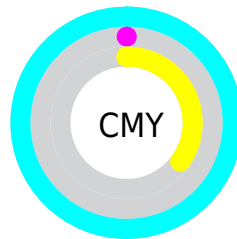
- Red (1%)
- Green (100%)
- Blue (65%)



- Red (1%)
- Yellow (61%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (99%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7726, 74.3294, 48.6519 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 42.7726, 74.3294, 48.6519 by changing the saturation by 10% instead.


 42.7726, 74.3294,
48.6519


 42.7726, 74.3294,
48.6519


348.6131,
475.6095, 397.9533


 29.9005, 55.0637,
33.9798


 78.6254, 125.3626,
89.5499


 19.9108, 39.4527,
22.6008


 102.3369,
157.8990, 116.6128


 12.4381, 27.1121,
14.0965


 130.3921,
195.6276, 148.6430

 7.1171, 17.6574,
8.0483

 163.1566,
238.9330, 186.0592

 3.5824, 10.7043,
4.0377

 200.9955,
288.1994, 229.2797

 1.4687, 5.8684,
1.6460

244.2744,

 0.3044, 2.7652,

343.8114, 278.7232

0.3233

293.3585,
406.1533, 334.8083

■ 0.0000, 1.0104,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7726, 74.3294,
48.6519

■ 42.7726, 74.3294,
48.6519

■ 42.6379, 74.2712,
48.1386

■ 44.0808, 74.9053,
53.1615

■ 46.0201, 75.7999,
58.0012

■ 48.7346, 77.0874,
63.1844

■ 52.3237, 78.8188,
68.7214

■ 56.8715, 81.0374,
74.6213

■ 62.4517, 83.7811,
80.8927

■ 69.1305, 87.0839,
87.5439

■ 76.9687, 90.9769,
94.5825

■ 86.0222, 95.4890,
102.0160

Harmonies

Analogous

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



51.1278, 74.3294, 24.5970



42.7726, 74.3294, 48.6519



41.1892, 74.3294, 95.6863

Triad

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



42.7726, 74.3294, 48.6519



75.6275, 74.3294, 227.5943



102.2262, 74.3294, 33.4020

Complementary

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



42.7726, 74.3294, 48.6519



43.1623, 22.0815, 11.8904

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.



111.5908, 74.3294, 67.7783



42.7726, 74.3294, 48.6519



94.5942, 74.3294, 189.4019

Square

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



42.7726, 74.3294, 48.6519



58.2283, 74.3294, 215.0493



108.5798, 74.3294, 125.0344



84.7186, 74.3294, 18.8188

Rectangle

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



42.7726, 74.3294, 48.6519



43.8756, 74.3294, 138.0014



108.5798, 74.3294, 125.0344



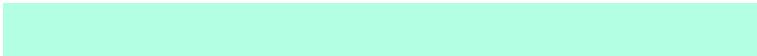
106.5573, 74.3294, 42.2682

Sweetspot

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



42.7732, 74.3297, 48.6532



68.2780, 86.6614, 86.7341



40.1125, 73.7619, 12.2103



13.9943, 18.2423, 17.9585



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.



42.7732, 74.3297, 48.6532



42.6379, 74.2712, 48.1386



42.9534, 56.9706, 103.3403



18.2696, 20.3674, 21.7228



22.3526, 38.8376, 25.5396



2.2281, 3.8022, 2.7591

Inverse Universe

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



43.1623, 22.0815, 11.8904



43.0455, 21.9822, 11.4375



42.0434, 22.8403, 2.2796



18.2713, 18.0918, 20.0457



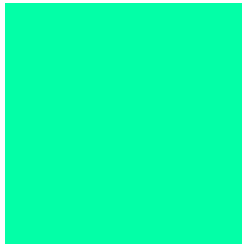
22.5556, 11.5116, 6.3105



2.2455, 1.1406, 0.8743

Previews

White Background



This preview shows how the XYZ color 42.7726, 74.3294, 48.6519 looks on a white background.

Color Contrast Check

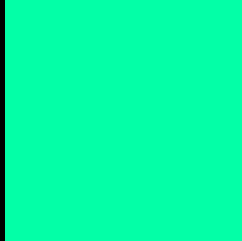
Large Text (above 18pt) WCAG AA × Fail

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 42.7726, 74.3294, 48.6519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

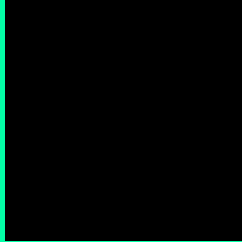
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

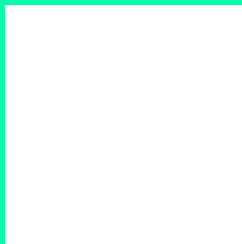
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7726, 74.3294, 48.6519

Background



This preview shows how black text looks on a background with the XYZ color 42.7726, 74.3294, 48.6519.



This preview shows how white text looks on a background with the XYZ color 42.7726, 74.3294,

Color Blindness Simulation

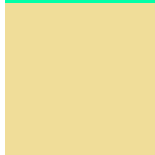
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



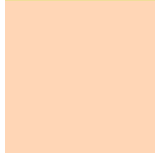
Original Color

42.7726, 74.3294, 48.6519



Protanopia

67.5414, 72.5381, 40.5784



Deuteranopia

73.7301, 72.7305, 54.4084



Tritanopia

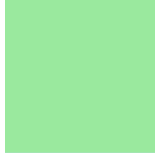
58.2766, 73.7783, 105.7769

Trichromacy



Original Color

42.7726, 74.3294, 48.6519



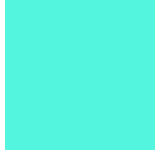
Protanomaly

48.6369, 67.6165, 42.8356



Deuteranomaly

51.0594, 66.9995, 51.8361



Tritanomaly

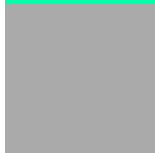
49.6278, 72.5173, 81.1936

Monochromacy



Original Color

42.7726, 74.3294, 48.6519



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.3548, 47.8891, 44.9689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7726, 74.3294, 48.6519 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(3, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(3, 255, 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(3, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 255, 167) }
```

Border

The CSS property to change the border of an element to XYZ 42.7726, 74.3294, 48.6519 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(3, 255, 167) }
```


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

```
.border{ border-color:rgb(3, 255, 167) }
```

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

Here you see how a box with a 4 pixel rgb(3, 255, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(3, 255,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7726, 74.3294, 48.6519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 255, 167) }
```

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

```
.background{ background-color: rgb(3, 255,  
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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