

Converting Colors

XYZ(42.4860, 74.2104, 47.3384)

Have a look what the booklet for
XYZ(42.4860, 74.2104, 47.3384)
contains.

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Color

**XYZ(42.4608, 74.2003,
47.2061)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFA4
RGB	0, 255, 164
RGB Percent	0%, 100%, 64%
CMY	0.9999, 0.0000, 0.3569
CMYK	1.00, 0.00, 0.36, 0.00
HSL	159°, 100%, 50%
HSV	159°, 100%, 100%
XYZ	42.4608, 74.2003, 47.2061
YIQ	168.3810, -122.7690, -82.3610

Conversions

Conversions Part 2

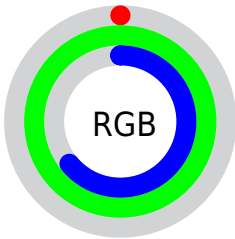
Format	Color
RYB	0, 155, 255
Decimal	65444
CIELab	89.02, -70.43, 29.69
CIELCh	89, 76.437, 157.141
Yxy	74.2003, 0.2591, 0.4528
Android (android.graphics.Color)	4278255524 (0xFF00FFA4)
YUV	168.3810, -2.1598, -147.6701
Hunter-Lab	86.1396, -62.7563, 27.8057

Details

The XYZ color **42.4608, 74.2003, 47.2061** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **43.1297, 22.0163, 11.8793**, and the grayscale version is **37.4639, 39.4150, 42.9229**.

A 20% lighter version of the original color is **55.6164, 80.2793, 79.5820**, and **22.8355, 41.0802, 21.7646** is the 20% darker color. If you saturate the color by 10%, you get **42.4602, 74.2001, 47.2029**, and if you desaturate by 10%, it is **43.7268, 74.7546, 51.7120**.

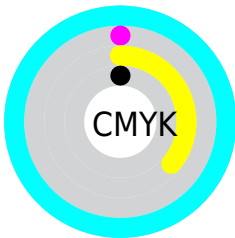
Distribution



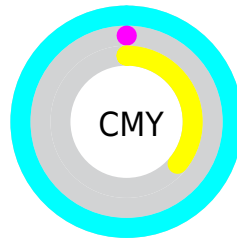
- Red (0%)
- Green (100%)
- Blue (64%)



- Red (0%)
- Yellow (61%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4608, 74.2003, 47.2061 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 42.4608, 74.2003, 47.2061 by changing the saturation by 10% instead.


 42.4608, 74.2003,
47.2061


 42.4608, 74.2003,
47.2061


347.3488,
475.1644, 392.0542


 29.6550, 54.9580,
32.8431


 78.1573, 125.1797,
87.3744


 19.7236, 39.3681,
21.7361


 101.7788,
157.6856, 114.0168


 12.3014, 27.0462,
13.4667


 129.7361,
195.3815, 145.5893

 7.0229, 17.6079,
7.6162

 162.3947,
238.6517, 182.5106

 3.5229, 10.6689,
3.7661

 200.1199,
287.8807, 225.1992

 1.4359, 5.8446,
1.4979

243.2771,

 0.2816, 2.7508,

343.4529, 274.0737

0.2164

292.2316,
405.7527, 329.5525

■ 0.0000, 1.0031,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.4608, 74.2003,
47.2061

■ 42.4608, 74.2003,
47.2061


■ 42.4602, 74.2001,
47.2029


■ 43.7268, 74.7546,
51.7120


■ 45.5912, 75.6103,
56.5579


■ 48.2200, 76.8532,
61.7589


■ 51.7153, 78.5354,
67.3255

 56.1624, 80.7011,
73.2674

 61.6363, 83.3887,
79.5937

 68.2042, 86.6326,
86.3130

 75.9271, 90.4643,
93.4334

 84.8619, 94.9130,
100.9627

Harmonies

Analogous

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



51.0784, 74.2003, 23.5965



42.4608, 74.2003, 47.2061



40.6832, 74.2003, 94.1905

Triad

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



42.4608, 74.2003, 47.2061



75.0604, 74.2003, 230.7826



103.0106, 74.2003, 33.4217

Complementary

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



42.4608, 74.2003, 47.2061



43.1297, 22.0163, 11.8793

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.



112.2465, 74.2003, 68.7276



42.4608, 74.2003, 47.2061



94.3705, 74.2003, 192.8827

Square

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



42.4608, 74.2003, 47.2061



57.5370, 74.2003, 216.5077



108.8346, 74.2003, 127.4134



85.3341, 74.2003, 18.4284

Rectangle

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



42.4608, 74.2003, 47.2061



43.2703, 74.2003, 137.0341



108.8346, 74.2003, 127.4134



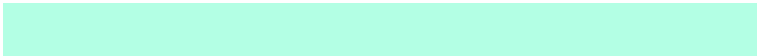
107.3349, 74.2003, 42.5269

Sweetspot

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



42.4614, 74.2006, 47.2074



68.1967, 86.6289, 86.3058



40.3268, 73.8743, 12.1345



13.9749, 18.2345, 17.8563



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.



42.4614, 74.2006, 47.2074



42.4602, 74.2001, 47.2029



43.9077, 58.9349, 103.6691



18.2635, 20.3649, 21.6906



22.2602, 38.8007, 25.0532



2.2195, 3.7987, 2.7139

Inverse Universe

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



43.1297, 22.0163, 11.8793



43.1286, 22.0155, 11.8754



41.8128, 22.4054, 2.1217



18.2772, 18.0942, 20.0767



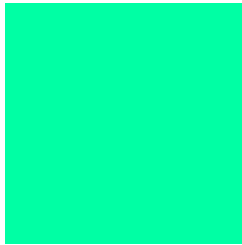
22.6000, 11.5293, 6.5440



2.2503, 1.1425, 0.8995

Previews

White Background



This preview shows how the XYZ color 42.4608, 74.2003, 47.2061 looks on a white background.

Color Contrast Check

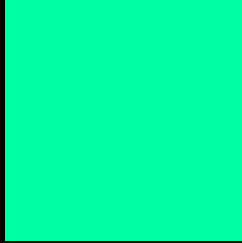
Large Text (above 18pt) WCAG AA × Fail

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 42.4608, 74.2003, 47.2061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

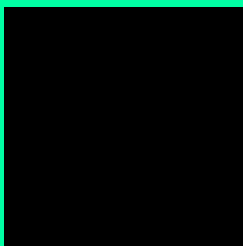
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

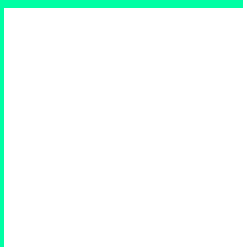
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.4608, 74.2003, 47.2061

Background



This preview shows how black text looks on a background with the XYZ color 42.4608, 74.2003, 47.2061.

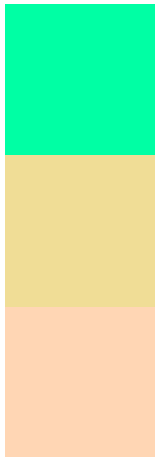


This preview shows how white text looks on a background with the XYZ color 42.4608, 74.2003, 47.2061.

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

42.4608, 74.2003, 47.2061

Protanopia

67.2967, 72.4402, 39.2896

Deuteranopia

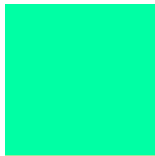
73.5248, 72.6484, 53.3274



Tritanopia

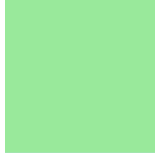
58.1224, 73.6988, 105.7697

Trichromacy



Original Color

42.4608, 74.2003, 47.2061



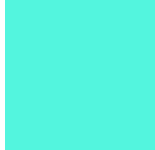
Protanomaly

48.1922, 67.4167, 41.4831



Deuteranomaly

50.5596, 66.7760, 50.2687



Tritanomaly

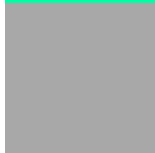
49.4045, 72.4177, 80.4814

Monochromacy



Original Color

42.4608, 74.2003, 47.2061



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.6927, 47.2244, 43.8986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4608, 74.2003, 47.2061 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, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 164)  
}
```

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, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 164) }
```

Border

The CSS property to change the border of an element to XYZ 42.4608, 74.2003, 47.2061 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, 255, 164) }
```


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

```
.border{ border-color:rgb(0, 255, 164) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4608, 74.2003, 47.2061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 164) }
```

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

```
.background{ background-color: rgb(0, 255,  
164) }
```

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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