

Converting Colors

XYZ(43.7469, 75.0184, 40.2630)

Have a look what the booklet for
XYZ(43.7469, 75.0184, 40.2630)
contains.

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Color

**XYZ(43.7038, 74.9977,
40.1896)**

Conversions

Conversions Part 1

Format	Color
Hex	47FF94
RGB	71, 255, 148
RGB Percent	28%, 100%, 58%
CMY	0.7216, 0.0000, 0.4196
CMYK	0.72, 0.00, 0.42, 0.00
HSL	145°, 100%, 64%
HSV	145°, 72%, 100%
XYZ	43.7038, 74.9977, 40.1896
YIQ	187.7860, -75.3170, -72.2850

Conversions

Conversions Part 2

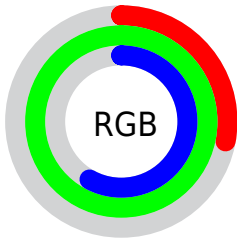
Format	Color
RYB	71, 201, 255
Decimal	4718484
CIELab	89.39, -68.36, 38.24
CIElCh	89, 78.327, 150.773
Yxy	74.9977, 0.2751, 0.4720
Android (android.graphics.Color)	4282908564 (0xFF47FF94)
YUV	187.7860, -19.6145, -102.4213
Hunter-Lab	86.6012, -61.4711, 33.1057

Details

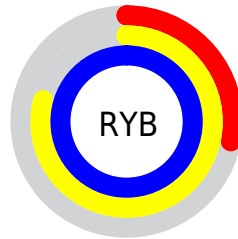
The XYZ color **43.7038, 74.9977, 40.1896** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **51.5293, 28.9812, 44.9975**, and the grayscale version is **47.8171, 50.3073, 54.7847**.

A 20% lighter version of the original color is **57.6948, 81.5826, 69.2061**, and **22.0776, 40.7770, 17.7735** is the 20% darker color. If you saturate the color by 10%, you get **41.1102, 73.7876, 34.3293**, and if you desaturate by 10%, it is **47.2328, 76.6725, 46.8812**.

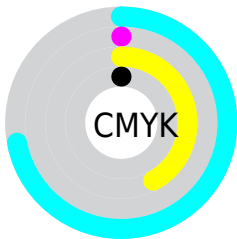
Distribution



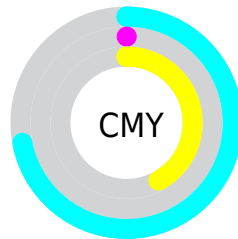
- Red (28%)
- Green (100%)
- Blue (58%)



- Red (28%)
- Yellow (79%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7038, 74.9977, 40.1896 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 43.7038, 74.9977, 40.1896 by changing the saturation by 10% instead.


 43.7038, 74.9977,
40.1896


 43.7038, 74.9977,
40.1896


352.3709,
477.9097, 362.4979


 30.6346, 55.6110,
27.3715


 80.0210, 126.3091,
76.6924


 20.4712, 39.8911,
17.6175


 103.9997,
159.0026, 101.2141

 12.8483, 27.4537,
10.5091


 132.3456,
196.9005, 130.4742

 7.4004, 17.9142,
5.6278


 165.4241,
240.3872, 164.8911

 3.7623, 10.8884,
2.5550

203.6005,
289.8470, 204.8834

 1.5686, 5.9919,
0.8691

247.2402,

 0.3718, 2.8401,

345.6645, 250.8696

0.0000

296.7085,
408.2239, 303.2682

■ 0.0000, 1.0488,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.7038, 74.9977,
40.1896

■ 43.7038, 74.9977,
40.1896

■ 41.1102, 73.7876,
34.3293

■ 47.2328, 76.6725,
46.8812


■ 39.3392, 72.9850,
29.2616


■ 51.7883, 78.8585,
54.4326


■ 38.3988, 72.5755,
25.8158


■ 57.4517, 81.5971,
62.8755

■ 64.2956, 84.9251,
72.2387

 72.3859, 88.8760,
82.5496

 81.7838, 93.4807,
93.8346

 92.5460, 98.7681,
106.1187

 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.



54.0329, 74.9977, 20.3835



43.7038, 74.9977, 40.1896



40.4052, 74.9977, 83.0933

Triad

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



43.7038, 74.9977, 40.1896



71.7819, 74.9977, 239.2998



107.8889, 74.9977, 38.6704

Complementary

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



43.7038, 74.9977, 40.1896



51.5293, 28.9812, 44.9975

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.



114.8739, 74.9977, 80.2428



43.7038, 74.9977, 40.1896



91.8618, 74.9977, 210.1428

Square

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



43.7038, 74.9977, 40.1896



54.7527, 74.9977, 212.8306



108.5462, 74.9977, 144.8339



90.8448, 74.9977, 19.8237

Rectangle

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



43.7038, 74.9977, 40.1896



42.0669, 74.9977, 125.1308



108.5462, 74.9977, 144.8339



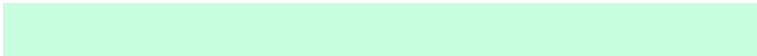
111.6150, 74.9977, 49.6407

Sweetspot

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



43.7043, 74.9979, 40.1908



72.5221, 88.9426, 82.7178



55.3344, 81.4796, 18.7724



15.0248, 18.7939, 17.0853



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.



43.7043, 74.9979, 40.1908



40.1573, 73.3519, 31.7775



54.0375, 79.1312, 94.6047



18.0869, 20.2943, 20.7605



20.1346, 37.9505, 13.8602



2.0135, 3.7163, 1.6287

Inverse Universe

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



51.5293, 28.9812, 44.9975



48.3238, 24.9704, 36.5294



45.1867, 26.4442, 11.5979



18.4524, 18.1643, 20.9993



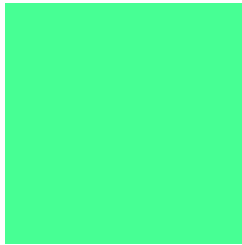
24.4299, 12.2612, 16.1800



2.4332, 1.2156, 1.8626

Previews

White Background



This preview shows how the XYZ color 43.7038, 74.9977, 40.1896 looks on a white background.

Color Contrast Check

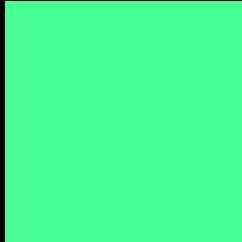
Large Text (above 18pt) WCAG AA × Fail

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 43.7038, 74.9977, 40.1896 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 43.7038, 74.9977, 40.1896

Background



This preview shows how black text looks on a background with the XYZ color 43.7038, 74.9977, 40.1896.

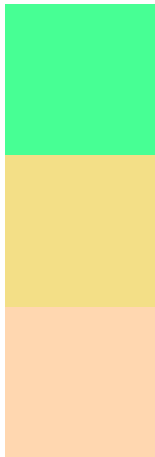


This preview shows how white text looks on a background with the XYZ color 43.7038, 74.9977,

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

43.7038, 74.9977, 40.1896

Protanopia

67.7230, 73.5793, 33.5545

Deuteranopia

73.3769, 72.9955, 51.2964



Tritanopia

59.9010, 74.6157, 105.8529

Trichromacy



Original Color

43.7038, 74.9977, 40.1896



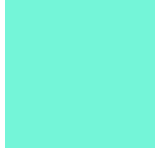
Protanomaly

53.2643, 71.0134, 35.7106



Deuteranomaly

55.9188, 70.0382, 46.6479



Tritanomaly

52.2495, 73.9757, 76.4906

Monochromacy



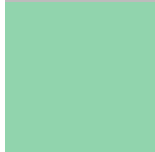
Original Color

43.7038, 74.9977, 40.1896



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.7634, 56.1238, 48.1143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7038, 74.9977, 40.1896 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(71, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 148)  
}
```

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(71, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 148) }
```

Border

The CSS property to change the border of an element to XYZ 43.7038, 74.9977, 40.1896 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(71, 255, 148) }
```


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

```
.border{ border-color:rgb(71, 255, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7038, 74.9977, 40.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 148) }
```

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

```
.background{ background-color: rgb(71, 255,  
148) }
```

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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