

Converting Colors

XYZ(42.9469, 74.7672, 32.9369)

Have a look what the booklet for
XYZ(42.9469, 74.7672, 32.9369)
contains.

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Color

**XYZ(42.9469, 74.7672,
32.9369)**

Conversions

Conversions Part 1

Format	Color
Hex	4FFF81
RGB	79, 255, 129
RGB Percent	31%, 100%, 51%
CMY	0.6902, 0.0000, 0.4941
CMYK	0.69, 0.00, 0.49, 0.00
HSL	137°, 100%, 65%
HSV	137°, 69%, 100%
XYZ	42.9469, 74.7672, 32.9369
YIQ	188.0120, -64.4500, -76.4980

Conversions

Conversions Part 2

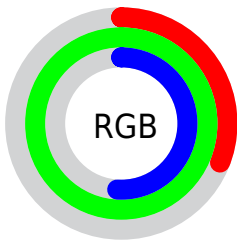
Format	Color
RYB	79, 216, 255
Decimal	5242753
CIELab	89.28, -70.13, 47.27
CIELCh	89, 84.572, 146.021
Yxy	74.7672, 0.2851, 0.4963
Android (android.graphics.Color)	4283432833 (0xFF4FFF81)
YUV	188.0120, -29.0929, -95.6035
Hunter-Lab	86.4680, -62.6618, 37.9432

Details

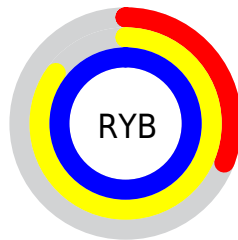
The XYZ color **42.9469, 74.7672, 32.9369** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **55.0555, 31.2601, 60.8890**, and the grayscale version is **47.9933, 50.4927, 54.9865**.

A 20% lighter version of the original color is **56.4444, 81.1837, 58.0425**, and **21.2708, 40.4543, 13.5249** is the 20% darker color. If you saturate the color by 10%, you get **40.1101, 73.4327, 27.0262**, and if you desaturate by 10%, it is **46.8142, 76.6079, 40.0299**.

Distribution



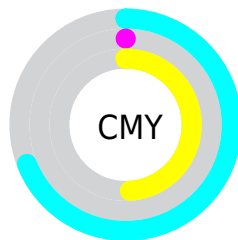
- Red (31%)
- Green (100%)
- Blue (51%)



- Red (31%)
- Yellow (85%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9469, 74.7672, 32.9369 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 42.9469, 74.7672, 32.9369 by changing the saturation by 10% instead.


 42.9469, 74.7672,
32.9369

 42.9469, 74.7672,
32.9369


349.3186,
477.1170, 329.9886


 30.0378, 55.4222,
21.8074


 78.8869, 125.9828,
65.3919


 20.0155, 39.7398,
13.5185


 102.6486,
158.6221, 87.5544

 12.5146, 27.3358,
7.6516


 130.7584,
196.4617, 114.2317

 7.1699, 17.8256,
3.7883

 163.5819,
239.8859, 145.8423

 3.6158, 10.8248,
1.5099

201.4843,
289.2792, 182.8048

 1.4872, 5.9492,
0.2253

244.8309,

 0.3171, 2.8142,

345.0258, 225.5376

0.0000

293.9873,
407.5103, 274.4594

■ 0.0000, 1.0355,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.9469, 74.7672,
32.9369

■ 42.9469, 74.7672,
32.9369

■ 40.1101, 73.4327,
27.0262

■ 46.8142, 76.6079,
40.0299

■ 38.1923, 72.5483,
22.2288


■ 51.8048, 79.0014,
48.3617


■ 37.0354, 72.0338,
18.4725

■ 58.0018, 81.9894,
57.9895

■ 36.9443, 71.9937,
18.1564

■ 65.4803, 85.6095,
68.9659

 74.3088, 89.8960,
81.3404

 84.5510, 94.8808,
95.1600

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.



55.0204, 74.7672, 15.9929



42.9469, 74.7672, 32.9369



38.3411, 74.7672, 73.7654

Triad

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



42.9469, 74.7672, 32.9369



68.3425, 74.7672, 255.8511



113.0803, 74.7672, 40.9988

Complementary

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



42.9469, 74.7672, 32.9369



55.0555, 31.2601, 60.8890

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.



118.5240, 74.7672, 89.5627



42.9469, 74.7672, 32.9369



89.9576, 74.7672, 232.4450

Square

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



42.9469, 74.7672, 32.9369



51.0914, 74.7672, 216.9128



109.3640, 74.7672, 162.9987



95.6621, 74.7672, 18.8124

Rectangle

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



42.9469, 74.7672, 32.9369



39.3083, 74.7672, 117.0232



109.3640, 74.7672, 162.9987



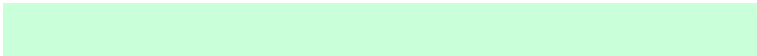
116.5002, 74.7672, 53.8703

Sweetspot

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



42.9473, 74.7674, 32.9381



72.4492, 88.9922, 78.7752



62.3852, 85.0828, 20.5322



14.9720, 18.7881, 16.1161



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.



42.9473, 74.7674, 32.9381



39.2433, 73.0301, 24.9865



51.4918, 78.1852, 77.9325



17.9837, 20.2530, 20.2171



19.3591, 37.6402, 9.7763



1.9294, 3.6827, 1.1862

Inverse Universe

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



55.0555, 31.2601, 60.8890



51.9523, 26.9476, 54.0159



47.2550, 28.1399, 19.8123



18.5597, 18.2072, 21.5644



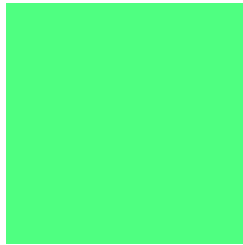
26.0581, 12.9125, 24.7542



2.5842, 1.2760, 2.6577

Previews

White Background



This preview shows how the XYZ color 42.9469, 74.7672, 32.9369 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 42.9469, 74.7672, 32.9369 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 42.9469, 74.7672, 32.9369

Background



This preview shows how black text looks on a background with the XYZ color 42.9469, 74.7672, 32.9369.

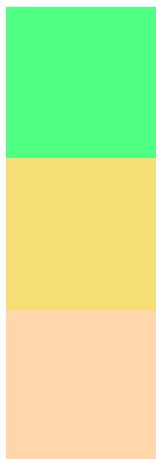


This preview shows how white text looks on a background with the XYZ color 42.9469, 74.7672,

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

42.9469, 74.7672, 32.9369

Protanopia

67.0475, 72.9630, 27.6890

Deuteranopia

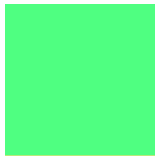
72.8911, 72.8012, 48.7383



Tritanopia

59.7799, 74.1199, 105.7636

Trichromacy



Original Color

42.9469, 74.7672, 32.9369



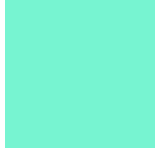
Protanomaly

52.9433, 70.5651, 29.2424



Deuteranomaly

55.7834, 70.0703, 42.0373



Tritanomaly

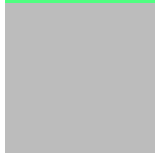
51.4671, 73.2268, 71.7432

Monochromacy



Original Color

42.9469, 74.7672, 32.9369



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.7313, 56.1729, 45.1495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9469, 74.7672, 32.9369 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(79, 255, 129)` looks like.

```
.text, #text, p{  
    color:rgb(79, 255, 129)  
}
```

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(79, 255, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 129) }
```

Border

The CSS property to change the border of an element to XYZ 42.9469, 74.7672, 32.9369 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(79, 255, 129) }
```


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

```
.border{ border-color:rgb(79, 255, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 255, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 129);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9469, 74.7672, 32.9369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 255, 129) }
```

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

```
.background{ background-color: rgb(79, 255,  
129) }
```

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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