

Converting Colors

XYZ(42.8839, 74.2624, 32.8427)

Have a look what the booklet for
XYZ(42.8839, 74.2624, 32.8427)
contains.

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Color

**XYZ(42.8839, 74.2624,
32.8427)**

Conversions

Conversions Part 1

Format	Color
Hex	52FE81
RGB	82, 254, 129
RGB Percent	32%, 100%, 51%
CMY	0.6784, 0.0039, 0.4941
CMYK	0.68, 0.00, 0.49, 0.00
HSL	136°, 99%, 66%
HSV	136°, 68%, 100%
XYZ	42.8839, 74.2624, 32.8427
YIQ	188.3220, -62.3870, -75.3390

Conversions

Conversions Part 2

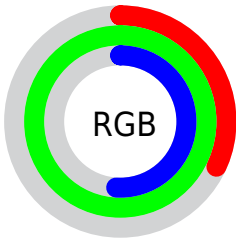
Format	Color
RYB	82, 217, 254
Decimal	5439105
CIELab	89.05, -69.29, 46.99
CIELCh	89, 83.722, 145.861
Yxy	74.2624, 0.2859, 0.4951
Android (android.graphics.Color)	4283629185 (0xFF52FE81)
YUV	188.3220, -29.2457, -93.2444
Hunter-Lab	86.1756, -61.9797, 37.7267

Details

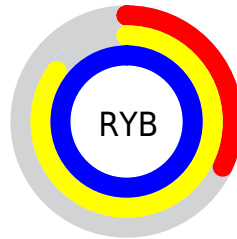
The XYZ color **42.8839, 74.2624, 32.8427** is a light color, and the websafe version is hex **33FF99**. The color can be described as light muted spring green. A complement of this color would be **55.1550, 31.6117, 62.2282**, and the grayscale version is **48.1713, 50.6800, 55.1905**.

A 20% lighter version of the original color is **56.8062, 81.3703, 58.0594**, and **21.0444, 40.0017, 13.4494** is the 20% darker color. If you saturate the color by 10%, you get **39.9521, 72.8823, 26.8696**, and if you desaturate by 10%, it is **46.8580, 76.1584, 40.0249**.

Distribution



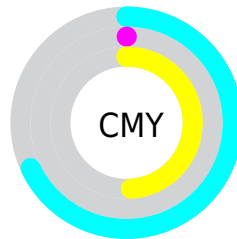
- Red (32%)
- Green (100%)
- Blue (51%)



- Red (32%)
- Yellow (85%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (68%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8839, 74.2624, 32.8427 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 42.8839, 74.2624, 32.8427 by changing the saturation by 10% instead.


 42.8839, 74.2624,
32.8427


 42.8839, 74.2624,
32.8427


349.0637,
475.3785, 329.5506


 29.9882, 55.0088,
21.7358


 78.7924, 125.2677,
65.2430


 19.9776, 39.4088,
13.4665


 102.5359,
157.7882, 87.3736

 12.4870, 27.0779,
7.6160


 130.6261,
195.4999, 114.0158

 7.1508, 17.6317,
3.7660

 163.4282,
238.7870, 145.5882

 3.6037, 10.6859,
1.4979

201.3077,
288.0341, 182.5094

 1.4805, 5.8561,
0.2164


244.6298,

 0.3125, 2.7577,


343.6254, 225.1978


0.0000


293.7601,
405.9454, 274.0720


 0.0000, 1.0066,
0.0000


 0.0000, 0.0000,
0.0000


 42.8839, 74.2624,
32.8427


 42.8839, 74.2624,
32.8427


 39.9521, 72.8823,
26.8696


 46.8580, 76.1584,
40.0249

 37.9498, 71.9551,
22.0331


 51.9608, 78.6073,
48.4732


 36.7393, 71.4133,
18.2603

 58.2756, 81.6529,
58.2467

 36.5302, 71.3212,
17.5381

 65.8762, 85.3322,
69.3996

 74.8302, 89.6789,
81.9828

 85.2005, 94.7245,
96.0448

94.7332, 99.3665,
108.7944

Harmonies

Analogous

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



54.8461, 74.2624, 16.1078



42.8839, 74.2624, 32.8427



38.2916, 74.2624, 73.0324

Triad

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



42.8839, 74.2624, 32.8427



67.7956, 74.2624, 252.1908



112.0046, 74.2624, 41.1470

Complementary

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



42.8839, 74.2624, 32.8427



55.1550, 31.6117, 62.2282

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.



117.2808, 74.2624, 89.2260



42.8839, 74.2624, 32.8427



89.0771, 74.2624, 229.5568

Square

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



42.8839, 74.2624, 32.8427



50.8120, 74.2624, 213.7084



108.2036, 74.2624, 161.5267



94.9167, 74.2624, 19.0293

Rectangle

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



42.8839, 74.2624, 32.8427



39.2226, 74.2624, 115.5404



108.2036, 74.2624, 161.5267



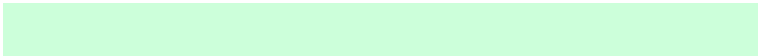
115.3437, 74.2624, 53.9214

Sweetspot

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



42.8857, 74.2654, 32.8444



73.3084, 89.4160, 79.6812



63.0173, 84.9255, 21.0539



15.1365, 18.8694, 16.2796



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.



42.8857, 74.2654, 32.8444



39.5445, 73.1771, 25.3758



51.0441, 77.5288, 75.8059



17.9755, 20.2497, 20.1737



19.3111, 37.6210, 9.5235



1.9238, 3.6805, 1.1567

Inverse Universe

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



55.1550, 31.6117, 62.2282



52.5730, 27.5139, 56.3041



47.4134, 28.5151, 21.4615



18.5684, 18.2107, 21.6104



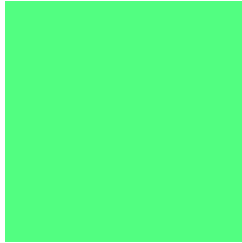
26.2082, 12.9726, 25.5445



2.5978, 1.2815, 2.7294

Previews

White Background



This preview shows how the XYZ color 42.8839, 74.2624, 32.8427 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 42.8839, 74.2624, 32.8427 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 42.8839, 74.2624, 32.8427

Background



This preview shows how black text looks on a background with the XYZ color 42.8839, 74.2624, 32.8427.

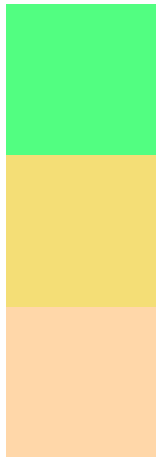


This preview shows how white text looks on a background with the XYZ color 42.8839, 74.2624,

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

42.8839, 74.2624, 32.8427

Protanopia

66.6995, 72.7837, 27.6727

Deuteranopia

72.7019, 72.7255, 47.7417



Tritanopia

59.2720, 73.8580, 105.7398

Trichromacy



Original Color

42.8839, 74.2624, 32.8427



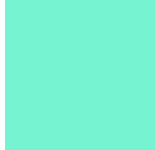
Protanomaly

52.9433, 70.5651, 29.2424



Deuteranomaly

55.5903, 69.5782, 41.0719



Tritanomaly

51.3305, 73.1564, 71.7368

Monochromacy



Original Color

42.8839, 74.2624, 32.8427



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.9130, 56.2665, 45.1580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8839, 74.2624, 32.8427 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(82, 254, 129)` looks like.

```
.text, #text, p{  
    color:rgb(82, 254, 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(82, 254, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 254, 129) }
```

Border

The CSS property to change the border of an element to XYZ 42.8839, 74.2624, 32.8427 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(82, 254, 129) }
```


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

```
.border{ border-color:rgb(82, 254, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 254, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 254, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 254, 129);  
box-shadow:4px 4px 4px 4px rgb(82, 254,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8839, 74.2624, 32.8427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 254, 129) }
```

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

```
.background{ background-color: rgb(82, 254,  
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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