

Converting Colors

XYZ(42.9387, 74.1641, 44.0761)

Have a look what the booklet for
XYZ(42.9387, 74.1641, 44.0761)
contains.

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Color

**XYZ(42.8430, 73.9961,
43.9229)**

Conversions

Conversions Part 1

Format	Color
Hex	32FE9D
RGB	50, 254, 157
RGB Percent	20%, 100%, 62%
CMY	0.8039, 0.0039, 0.3843
CMYK	0.80, 0.00, 0.38, 0.00
HSL	151°, 99%, 60%
HSV	151°, 80%, 100%
XYZ	42.8430, 73.9961, 43.9229
YIQ	181.9460, -90.4470, -73.4150

Conversions

Conversions Part 2

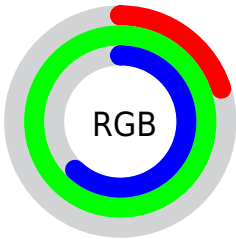
Format	Color
RYB	50, 184, 254
Decimal	3341981
CIELab	88.92, -68.87, 33.12
CIELCh	89, 76.425, 154.318
Yxy	73.9961, 0.2665, 0.4603
Android (android.graphics.Color)	4281532061 (0xFF32FE9D)
YUV	181.9460, -12.2984, -115.7166
Hunter-Lab	86.0210, -61.6343, 29.9408

Details

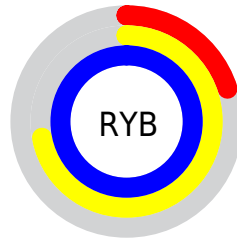
The XYZ color **42.8430, 73.9961, 43.9229** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **47.2825, 25.4601, 30.0289**, and the grayscale version is **44.5361, 46.8555, 51.0256**.

A 20% lighter version of the original color is **56.6969, 80.9406, 74.9222**, and **22.2897, 40.4998, 20.0071** is the 20% darker color. If you saturate the color by 10%, you get **40.9395, 73.1301, 38.7155**, and if you desaturate by 10%, it is **45.5457, 75.2663, 49.7032**.

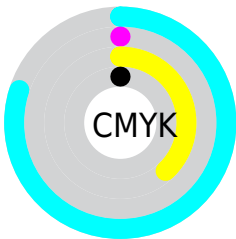
Distribution



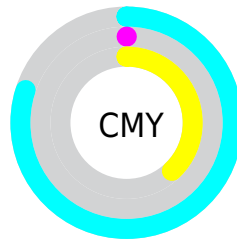
- Red (20%)
- Green (100%)
- Blue (62%)



- Red (20%)
- Yellow (72%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8430, 73.9961, 43.9229 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 42.8430, 73.9961, 43.9229 by changing the saturation by 10% instead.


 42.8430, 73.9961,
43.9229


 42.8430, 73.9961,
43.9229


348.8982,
474.4599, 378.4257


 29.9559, 54.7908,
30.2732


 78.7311, 124.8903,
82.4030

 19.9531, 39.2343,
19.7922


 102.4628,
157.3480, 108.0703

 12.4690, 26.9420,
12.0615


 130.5401,
194.9920, 138.5807

 7.1384, 17.5297,
6.6625

 163.3284,
238.2067, 174.3525

 3.5959, 10.6129,
3.1767

201.1930,
287.3764, 215.8044

 1.4762, 5.8072,
1.1856

244.4993,

 0.3095, 2.7282,

342.8856, 263.3549

0.0000

293.6125,
405.1186, 317.4225

■ 0.0000, 0.9915,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8430, 73.9961,
43.9229

■ 42.8430, 73.9961,
43.9229

■ 40.9395, 73.1301,
38.7155


■ 45.5457, 75.2663,
49.7032


■ 39.6924, 72.5861,
34.1904


■ 49.1452, 76.9847,
56.0707


■ 53.7300, 79.1986,
63.0455


■ 59.3762, 81.9470,
70.6447

 66.1519, 85.2646,
78.8847

 74.1196, 89.1834,
87.7811

 83.3366, 93.7328,
97.3490

 93.8569, 98.9401,
107.6029

 94.7332, 99.3664,
108.7944

Harmonies

Analogous

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



52.0833, 73.9961, 22.2357



42.8430, 73.9961, 43.9229



40.4313, 73.9961, 88.5048

Triad

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



42.8430, 73.9961, 43.9229



73.0500, 73.9961, 231.3151



104.0814, 73.9961, 35.6219

Complementary

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



42.8430, 73.9961, 43.9229



47.2825, 25.4601, 30.0289

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.



112.2134, 73.9961, 73.1226



42.8430, 73.9961, 43.9229



92.4093, 73.9961, 197.7598

Square

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



42.8430, 73.9961, 43.9229



55.9828, 73.9961, 212.0825



107.6067, 73.9961, 133.4205



86.9427, 73.9961, 19.1332

Rectangle

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



42.8430, 73.9961, 43.9229



42.5857, 73.9961, 130.3605



107.6067, 73.9961, 133.4205



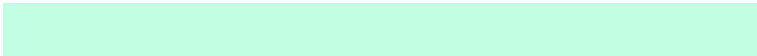
108.0837, 73.9961, 45.4096

Sweetspot

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



42.8449, 73.9991, 43.9246



71.6705, 88.4483, 85.1739



48.3415, 77.4692, 15.4234



14.7318, 18.6323, 17.5485



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.



42.8449, 73.9991, 43.9246



40.5185, 73.4382, 36.3116



53.5795, 76.5817, 105.7274



18.1696, 20.3274, 21.1960



21.0007, 38.2969, 18.4207



2.1000, 3.7509, 2.0844

Inverse Universe

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



47.2825, 25.4601, 30.0289



45.1556, 23.0034, 22.0033



42.7422, 23.8853, 5.3758



18.3690, 18.1309, 20.5604



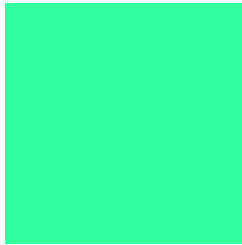
23.4345, 11.8631, 10.9385



2.3365, 1.1770, 1.3534

Previews

White Background



This preview shows how the XYZ color 42.8430, 73.9961, 43.9229 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 42.8430, 73.9961, 43.9229 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 42.8430, 73.9961, 43.9229

Background



This preview shows how black text looks on a background with the XYZ color 42.8430, 73.9961, 43.9229.

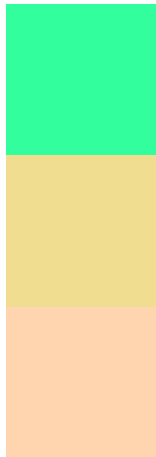


This preview shows how white text looks on a background with the XYZ color 42.8430, 73.9961,

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

42.8430, 73.9961, 43.9229

Protanopia

66.8257, 72.2518, 36.8095

Deuteranopia

72.8707, 71.9831, 51.1277



Tritanopia

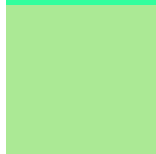
57.9846, 73.1944, 105.6796

Trichromacy



Original Color

42.8430, 73.9961, 43.9229



Protanomaly

51.3583, 69.1057, 39.0656



Deuteranomaly

53.7272, 68.0547, 47.8403



Tritanomaly

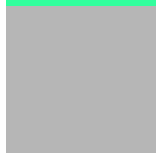
50.6164, 72.6406, 78.3711

Monochromacy



Original Color

42.8430, 73.9961, 43.9229



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

39.9302, 53.1972, 47.6987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8430, 73.9961, 43.9229 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(50, 254, 157)` looks like.

```
.text, #text, p{  
    color:rgb(50, 254, 157)  
}
```

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(50, 254, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 254, 157) }
```

Border

The CSS property to change the border of an element to XYZ 42.8430, 73.9961, 43.9229 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(50, 254, 157) }
```


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

```
.border{ border-color:rgb(50, 254, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 254, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 254, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 254, 157);  
box-shadow:4px 4px 4px 4px rgb(50, 254,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8430, 73.9961, 43.9229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 254, 157) }
```

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

```
.background{ background-color: rgb(50, 254,  
157) }
```

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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