

Converting Colors

XYZ(43.3120, 75.3969, 13.2192)

Have a look what the booklet for
XYZ(43.3120, 75.3969, 13.2192)
contains.

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Color

**XYZ(43.2826, 75.3765,
13.2452)**

Conversions

Conversions Part 1

Format	Color
Hex	75FF1A
RGB	117, 255, 26
RGB Percent	46%, 100%, 10%
CMY	0.5412, 0.0000, 0.8980
CMYK	0.54, 0.00, 0.90, 0.00
HSL	96°, 100%, 55%
HSV	96°, 90%, 100%
XYZ	43.2826, 75.3765, 13.2452
YIQ	187.6320, -8.7390, -100.4750

Conversions

Conversions Part 2

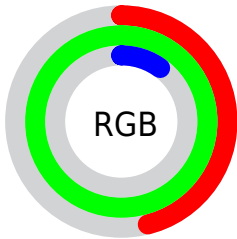
Format	Color
RYB	26, 255, 164
Decimal	7733018
CIELab	89.57, -70.36, 82.92
CIELCh	90, 108.749, 130.317
Yxy	75.3765, 0.3281, 0.5714
Android (android.graphics.Color)	4285923098 (0xFF75FF1A)
YUV	187.6320, -79.6846, -61.9443
Hunter-Lab	86.8196, -62.9459, 51.7285

Details

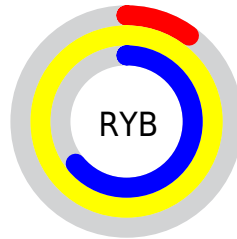
The XYZ color **43.2826, 75.3765, 13.2452** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed chartreuse. A complement of this color would be **33.7338, 15.8543, 95.8900**, and the grayscale version is **48.0337, 50.5352, 55.0328**.

A 20% lighter version of the original color is **57.1163, 82.2639, 24.9248**, and **20.7656, 40.3446, 6.6928** is the 20% darker color. If you saturate the color by 10%, you get **41.2007, 74.3244, 12.1895**, and if you desaturate by 10%, it is **45.9424, 76.6989, 15.5753**.

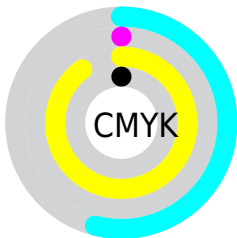
Distribution



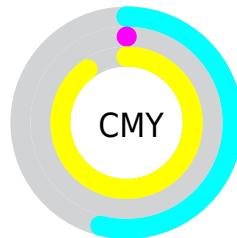
- Red (46%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (64%)



- Cyan (54%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.2826, 75.3765, 13.2452 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 43.2826, 75.3765, 13.2452 by changing the saturation by 10% instead.


 43.2826, 75.3765,
13.2452


 43.2826, 75.3765,
13.2452


350.6745,
479.2107, 223.7459


 30.3024, 55.9214,
7.4649


 79.3902, 126.8452,
32.4412


 20.2174, 40.1399,
3.6717


 103.2483,
159.6275, 46.6940


 12.6624, 27.6476,
1.4470


 131.4631,
197.6211, 64.6081

 7.2719, 18.0602,
0.1780

 164.3999,
241.2102, 86.6019

 3.6805, 10.9932,
0.0000

 202.4241,
290.7794, 113.0941

 1.5230, 6.0623,
0.0000

 245.9010,

 0.3414, 2.8830,

346.7129, 144.5031

0.0000

295.1960,
409.3952, 181.2475

■ 0.0000, 1.0710,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.2826, 75.3765,
13.2452

■ 43.2826, 75.3765,
13.2452

■ 41.2007, 74.3244,
12.1895

■ 45.9424, 76.6989,
15.5753

■ 41.1625, 74.3051,
12.1728

■ 49.2653, 78.3274,
19.5470

■ 53.3098, 80.2872,
25.3932

■ 58.1263, 82.6000,
33.3087

■ 63.7601, 85.2854,
43.4638

■ 70.2523, 88.3613,
56.0111

■ 77.6412, 91.8443,
71.0898

■ 85.9623, 95.7499,
88.8284

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.



62.8316, 75.3765, 5.7476



43.2826, 75.3765, 13.2452



33.3455, 75.3765, 41.8269

Triad

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



43.2826, 75.3765, 13.2452



55.6979, 75.3765, 313.1187



134.9915, 75.3765, 58.4437

Complementary

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



43.2826, 75.3765, 13.2452



33.7338, 15.8543, 95.8900

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.



131.7072, 75.3765, 142.2585



43.2826, 75.3765, 13.2452



81.2422, 75.3765, 328.5431

Square

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



43.2826, 75.3765, 13.2452



39.1815, 75.3765, 218.7905



110.2818, 75.3765, 253.0939



118.3781, 75.3765, 18.9442

Rectangle

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



43.2826, 75.3765, 13.2452



31.5758, 75.3765, 82.8900



110.2818, 75.3765, 253.0939



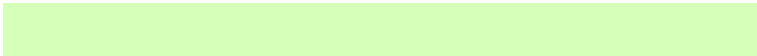
136.2613, 75.3765, 81.2598

Sweetspot

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



43.2828, 75.3766, 13.2463



72.2265, 89.2935, 59.9667



54.5964, 47.6742, 7.3029



14.9455, 18.8697, 11.8072



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.



43.2828, 75.3766, 13.2463



41.1625, 74.3051, 12.1728



36.7392, 71.9609, 14.8501



18.4545, 20.5202, 19.1325



21.6650, 38.9068, 6.3679



2.2284, 3.8495, 0.6256

Inverse Universe

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



33.7338, 15.8543, 95.8900



31.3159, 14.0588, 95.6708



56.1898, 27.8317, 78.8304



18.0534, 17.9192, 22.7572



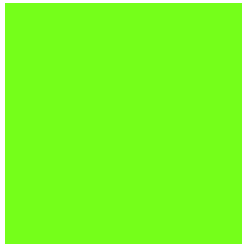
16.5361, 7.4352, 49.9982



1.7332, 0.7874, 4.8739

Previews

White Background



This preview shows how the XYZ color 43.2826, 75.3765, 13.2452 looks on a white background.

Color Contrast Check

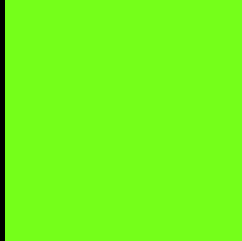
Large Text (above 18pt) WCAG AA × Fail

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 43.2826, 75.3765, 13.2452 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

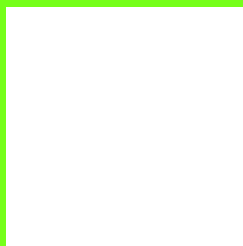
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.2826, 75.3765, 13.2452

Background



This preview shows how black text looks on a background with the XYZ color 43.2826, 75.3765, 13.2452.

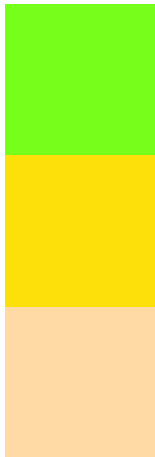


This preview shows how white text looks on a background with the XYZ color 43.2826, 75.3765,

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

43.2826, 75.3765, 13.2452

Protanopia

66.8553, 74.0287, 11.0525

Deuteranopia

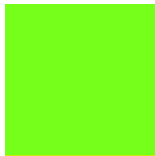
73.0122, 74.0831, 45.5733



Tritanopia

62.2388, 74.9565, 105.7955

Trichromacy



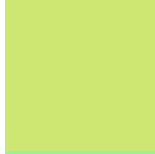
Original Color

43.2826, 75.3765, 13.2452



Protanomaly

54.4305, 72.1506, 11.5479



Deuteranomaly

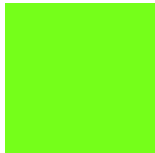
56.7900, 71.3459, 26.6976



Tritanomaly

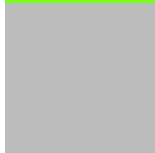
50.9524, 73.4307, 50.5178

Monochromacy



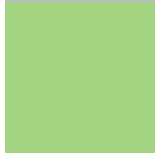
Original Color

43.2826, 75.3765, 13.2452



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.4062, 56.3533, 29.4111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2826, 75.3765, 13.2452 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(117, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 26)  
}
```

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(117, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 26) }
```

Border

The CSS property to change the border of an element to XYZ 43.2826, 75.3765, 13.2452 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(117, 255, 26) }
```


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

```
.border{ border-color:rgb(117, 255, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 255, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2826, 75.3765, 13.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 26) }
```

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

```
.background{ background-color: rgb(117,  
255, 26) }
```

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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