

Converting Colors

XYZ(43.2261, 75.3667, 12.3695)

Have a look what the booklet for
XYZ(43.2261, 75.3667, 12.3695)
contains.

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Color

**XYZ(43.2531, 75.3803,
12.3850)**

Conversions

Conversions Part 1

Format	Color
Hex	76FF04
RGB	118, 255, 4
RGB Percent	46%, 100%, 2%
CMY	0.5373, 0.0000, 0.9842
CMYK	0.54, 0.00, 0.98, 0.00
HSL	93°, 100%, 51%
HSV	93°, 98%, 100%
XYZ	43.2531, 75.3803, 12.3850
YIQ	185.4230, -1.0810, -107.1050

Conversions

Conversions Part 2

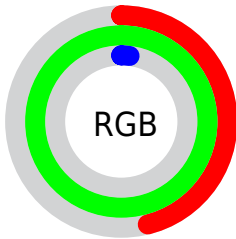
Format	Color
RYB	4, 255, 141
Decimal	7798532
CIELab	89.57, -70.46, 85.11
CIELCh	90, 110.494, 129.618
Yxy	75.3803, 0.3301, 0.5753
Android (android.graphics.Color)	4285988612 (0xFF76FF04)
YUV	185.4230, -89.4415, -59.1300
Hunter-Lab	86.8218, -63.0127, 52.3177

Details

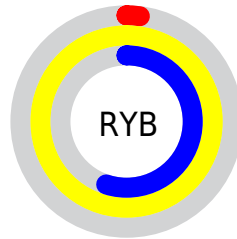
The XYZ color **43.2531, 75.3803, 12.3850** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **29.0849, 12.9737, 95.5790**, and the grayscale version is **46.8363, 49.2755, 53.6610**.

A 20% lighter version of the original color is **57.0718, 82.2732, 23.4620**, and **20.8413, 40.3836, 6.6964** is the 20% darker color. If you saturate the color by 10%, you get **42.9353, 75.2190, 12.2558**, and if you desaturate by 10%, it is **45.4917, 76.5105, 13.5679**.

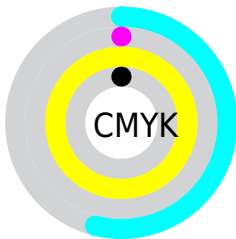
Distribution



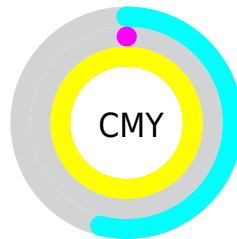
- Red (46%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (55%)



- Cyan (54%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.2531, 75.3803, 12.3850 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 43.2531, 75.3803, 12.3850 by changing the saturation by 10% instead.


 43.2531, 75.3803,
12.3850


 43.2531, 75.3803,
12.3850


350.5555,
479.2237, 218.0053


 30.2791, 55.9245,
6.8807


 79.3460, 126.8505,
30.8692


 20.1997, 40.1424,
3.3103


 103.1956,
159.6338, 44.6862


 12.6494, 27.6496,
1.2552


 131.4012,
197.6283, 62.1113

 7.2629, 18.0617,
0.0246

 164.3281,
241.2185, 83.5628

 3.6748, 10.9943,
0.0000

 202.3416,
290.7887, 109.4595

 1.5199, 6.0630,
0.0000

 245.8071,

 0.3393, 2.8834,

346.7234, 140.2197

0.0000

295.0899,
409.4069, 176.2622

■ 0.0000, 1.0712,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.2531, 75.3803,
12.3850

■ 43.2531, 75.3803,
12.3850

■ 42.9353, 75.2190,
12.2558

■ 45.4917, 76.5105,
13.5679

■ 48.2762, 77.8926,
16.1095

■ 51.6774, 79.5561,
20.3262

■ 55.7481, 81.5235,
26.4434

■ 60.5344, 83.8142,
34.6516

■ 66.0771, 86.4456,
45.1183

■ 72.4138, 89.4339,
57.9938

■ 79.5790, 92.7938,
73.4157

■ 87.6051, 96.5392,
91.5109

Harmonies

Analogous

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



63.2756, 75.3803, 5.3117



43.2531, 75.3803, 12.3850



33.0138, 75.3803, 40.2491

Triad

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



43.2531, 75.3803, 12.3850



54.9635, 75.3803, 317.0443



136.4068, 75.3803, 59.5498

Complementary

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



43.2531, 75.3803, 12.3850



29.0849, 12.9737, 95.5790

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.



132.5513, 75.3803, 145.9156



43.2531, 75.3803, 12.3850



80.7254, 75.3803, 335.2481

Square

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



43.2531, 75.3803, 12.3850



38.4941, 75.3803, 219.0458



110.3465, 75.3803, 259.4503



119.8392, 75.3803, 18.8974

Rectangle

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



43.2531, 75.3803, 12.3850



31.1033, 75.3803, 81.0840



110.3465, 75.3803, 259.4503



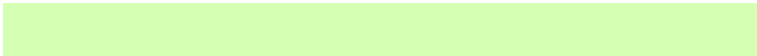
137.5351, 75.3803, 83.0767

Sweetspot

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



43.2533, 75.3804, 12.3861



71.3560, 88.9363, 55.7887



50.3340, 39.4126, 5.0705



14.6918, 18.7621, 10.7502



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.



43.2533, 75.3804, 12.3861



42.9353, 75.2190, 12.2558



35.8794, 71.5736, 12.2850



18.5551, 20.5721, 19.1372



22.6015, 39.3896, 6.4117



2.3246, 3.8991, 0.6301

Inverse Universe

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



29.0849, 12.9737, 95.5790



28.7317, 12.7266, 95.5499



58.0160, 28.0405, 90.0549



17.9508, 17.8664, 22.7524



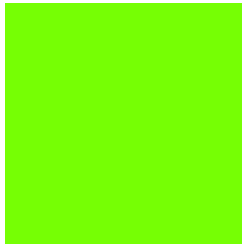
15.1874, 6.7399, 49.9350



1.6047, 0.7212, 4.8679

Previews

White Background



This preview shows how the XYZ color 43.2531, 75.3803, 12.3850 looks on a white background.

Color Contrast Check

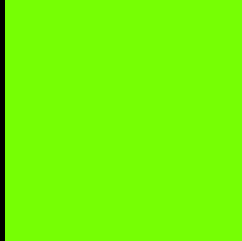
Large Text (above 18pt) WCAG AA × Fail

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 43.2531, 75.3803, 12.3850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

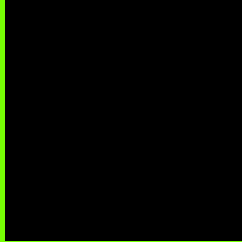
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.2531, 75.3803, 12.3850

Background



This preview shows how black text looks on a background with the XYZ color 43.2531, 75.3803, 12.3850.



This preview shows how white text looks on a background with the XYZ color 43.2531, 75.3803,

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

43.2531, 75.3803, 12.3850

Protanopia

66.8005, 74.0068, 10.7640

Deuteranopia

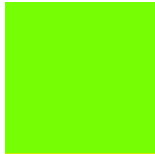
73.0122, 74.0831, 45.5733



Tritanopia

62.4347, 75.0575, 105.8046

Trichromacy



Original Color

43.2531, 75.3803, 12.3850



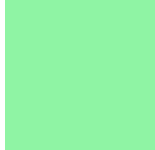
Protanomaly

54.3424, 72.1154, 11.0842



Deuteranomaly

56.3543, 71.1716, 24.4030



Tritanomaly

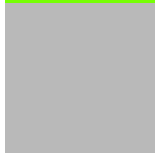
50.3792, 73.2213, 46.5998

Monochromacy



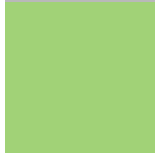
Original Color

43.2531, 75.3803, 12.3850



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

41.0743, 55.0022, 25.9044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2531, 75.3803, 12.3850 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(118, 255, 4)` looks like.

```
.text, #text, p{  
    color:rgb(118, 255, 4)  
}
```

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(118, 255, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 255, 4) }
```

Border

The CSS property to change the border of an element to XYZ 43.2531, 75.3803, 12.3850 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(118, 255, 4) }
```


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

```
.border{ border-color:rgb(118, 255, 4) }
```

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

Here you see how a box with a 4 pixel rgb(118, 255, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 255, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 255, 4);  
box-shadow:4px 4px 4px 4px rgb(118, 255,  
4) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2531, 75.3803, 12.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 255, 4) }
```

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

```
.background{ background-color: rgb(118,  
255, 4) }
```

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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