

Converting Colors

XYZ(44.8746, 76.2187, 12.3466)

Have a look what the booklet for
XYZ(44.8746, 76.2187, 12.3466)
contains.

XYZ(44.8133, 76.1871, 12.3437)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.8133, 76.1871,
12.3437)**

Conversions

Conversions Part 1

Format	Color
Hex	81FF00
RGB	129, 255, 0
RGB Percent	51%, 100%, 0%
CMY	0.4941, 0.0000, 0.9998
CMYK	0.49, 0.00, 1.00, 0.00
HSL	90°, 100%, 50%
HSV	90°, 100%, 100%
XYZ	44.8133, 76.1871, 12.3437
YIQ	188.2560, 6.7590, -106.0170

Conversions

Conversions Part 2

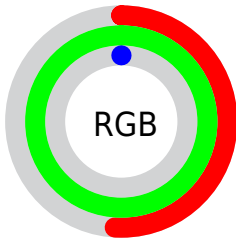
Format	Color
RYB	0, 255, 126
Decimal	8519424
CIELab	89.95, -67.51, 85.87
CIELCh	90, 109.228, 128.173
Yxy	76.1871, 0.3361, 0.5714
Android (android.graphics.Color)	4286709504 (0xFF81FF00)
YUV	188.2560, -92.8102, -51.9675
Hunter-Lab	87.2852, -61.1051, 52.7150

Details

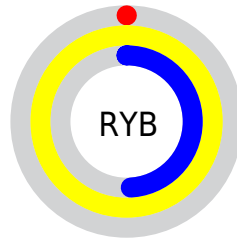
The XYZ color **44.8133, 76.1871, 12.3437** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **26.6606, 11.6596, 95.4531**, and the grayscale version is **48.4575, 50.9811, 55.5184**.

A 20% lighter version of the original color is **59.4740, 83.5168, 23.3417**, and **21.7699, 40.8623, 6.7398** is the 20% darker color. If you saturate the color by 10%, you get **44.8102, 76.1856, 12.3435**, and if you desaturate by 10%, it is **47.0285, 77.3082, 13.3939**.

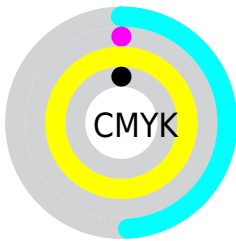
Distribution



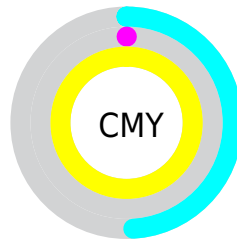
- Red (51%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (49%)



- Cyan (49%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8133, 76.1871, 12.3437 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 44.8133, 76.1871, 12.3437 by changing the saturation by 10% instead.


 44.8133, 76.1871,
12.3437


 44.8133, 76.1871,
12.3437


356.8133,
481.9879, 217.7256


 31.5110, 56.5859,
6.8528


 81.6790, 127.9913,
30.7933


 21.1420, 40.6729,
3.2932


 105.9731,
160.9632, 44.5890


 13.3409, 28.0636,
1.2462


 134.6619,
199.1608, 61.9902

 7.7423, 18.3736,
0.0171

 168.1107,
242.9685, 83.4153

 3.9809, 11.2185,
0.0000

 206.6849,
292.7706, 109.2828

 1.6914, 6.2140,
0.0000

 250.7498,

 0.4508, 2.9757,

348.9517, 140.0114

0.0000

300.6709,
411.8960, 176.0195

■ 0.0000, 1.1190,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.8133, 76.1871,
12.3437

■ 44.8133, 76.1871,
12.3437

■ 44.8102, 76.1856,
12.3435

■ 47.0285, 77.3082,
13.3939

■ 49.7237, 78.6494,
15.6968

■ 52.9788, 80.2437,
19.6327

■ 56.8451, 82.1125,
25.4341

■ 61.3668, 84.2742,
33.2960

■ 66.5830, 86.7453,
43.3887

■ 72.5292, 89.5406,
55.8648

■ 79.2380, 92.6741,
70.8637

■ 86.7400, 96.1587,
88.5137

Harmonies

Analogous

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



65.2753, 76.1871, 5.6386



44.8133, 76.1871, 12.3437



34.0953, 76.1871, 39.0146

Triad

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



44.8133, 76.1871, 12.3437



54.7611, 76.1871, 311.9696



136.9849, 76.1871, 63.5476

Complementary

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



44.8133, 76.1871, 12.3437



26.6606, 11.6596, 95.4531

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.



132.1521, 76.1871, 151.4980



44.8133, 76.1871, 12.3437



80.0541, 76.1871, 334.6431

Square

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



44.8133, 76.1871, 12.3437



38.7641, 76.1871, 213.1013



109.5081, 76.1871, 263.5568



121.4253, 76.1871, 20.7860

Rectangle

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



44.8133, 76.1871, 12.3437



31.9054, 76.1871, 78.2993



109.5081, 76.1871, 263.5568



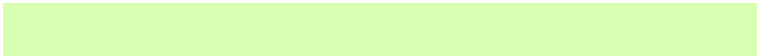
137.7530, 76.1871, 87.7913

Sweetspot

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



44.8135, 76.1872, 12.3448



72.5192, 89.5359, 55.8432



48.3568, 35.4933, 4.3034



14.9661, 18.9035, 10.7630



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.



44.8135, 76.1872, 12.3448



44.8102, 76.1856, 12.3435



35.8139, 71.5478, 11.9237



18.6473, 20.6196, 19.1415



23.5869, 39.8976, 6.4578



2.4226, 3.9497, 0.6347

Inverse Universe

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



26.6606, 11.6596, 95.4531



26.6571, 11.6571, 95.4528



57.7443, 27.6838, 96.9078



17.8580, 17.8185, 22.7481



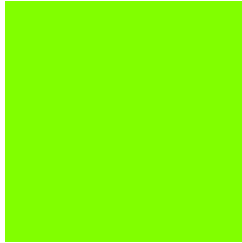
14.1006, 6.1796, 49.8842



1.4987, 0.6665, 4.8629

Previews

White Background



This preview shows how the XYZ color 44.8133, 76.1871, 12.3437 looks on a white background.

Color Contrast Check

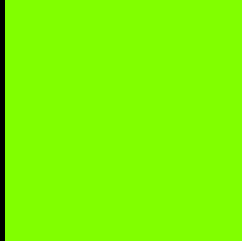
Large Text (above 18pt) WCAG AA × Fail

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 44.8133, 76.1871, 12.3437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

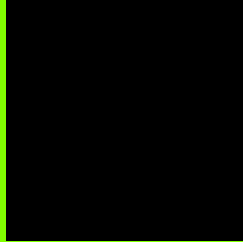
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.8133, 76.1871, 12.3437

Background



This preview shows how black text looks on a background with the XYZ color 44.8133, 76.1871, 12.3437.



This preview shows how white text looks on a background with the XYZ color 44.8133, 76.1871, 12.3437.

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

44.8133, 76.1871, 12.3437

Protanopia

67.4332, 74.7331, 10.8708

Deuteranopia

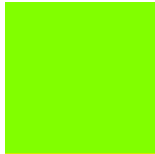
73.6394, 74.7502, 47.5928



Tritanopia

63.8512, 75.7877, 105.8709

Trichromacy



Original Color

44.8133, 76.1871, 12.3437



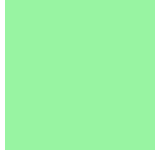
Protanomaly

56.0079, 73.4008, 11.2158



Deuteranomaly

57.8049, 72.3301, 24.8244



Tritanomaly

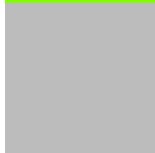
51.8212, 73.9854, 45.7318

Monochromacy



Original Color

44.8133, 76.1871, 12.3437



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.8700, 56.6585, 26.4460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8133, 76.1871, 12.3437 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(129, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 255, 0)  
}
```

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(129, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 44.8133, 76.1871, 12.3437 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(129, 255, 0) }
```


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

```
.border{ border-color:rgb(129, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8133, 76.1871, 12.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 255, 0) }
```

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

```
.background{ background-color: rgb(129,  
255, 0) }
```

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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