

Converting Colors

XYZ(44.6305, 76.0926, 12.3503)

Have a look what the booklet for
XYZ(44.6305, 76.0926, 12.3503)
contains.

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Color

**XYZ(44.6676, 76.1114,
12.3655)**

Conversions

Conversions Part 1

Format	Color
Hex	80FF01
RGB	128, 255, 1
RGB Percent	50%, 100%, 0%
CMY	0.4980, 0.0000, 0.9959
CMYK	0.50, 0.00, 1.00, 0.00
HSL	90°, 100%, 50%
HSV	90°, 100%, 100%
XYZ	44.6676, 76.1114, 12.3655
YIQ	188.0710, 5.8420, -105.9180

Conversions

Conversions Part 2

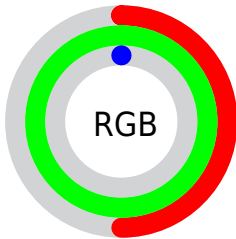
Format	Color
R_{YB}	1, 255, 128
Decimal	8453889
CIE _{Lab}	89.91, -67.78, 85.75
CIE _{LCh}	90, 109.303, 128.322
Yxy	76.1114, 0.3355, 0.5716
Android (android.graphics.Color)	4286643969 (0xFF80FF01)
YUV	188.0710, -92.2260, -52.6823
Hunter-Lab	87.2418, -61.2817, 52.6656

Details

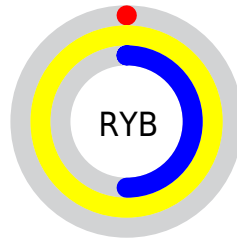
The XYZ color **44.6676, 76.1114, 12.3655** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **26.9696, 11.8350, 95.4707**, and the grayscale version is **48.3488, 50.8667, 55.3939**.

A 20% lighter version of the original color is **59.2216, 83.3867, 23.3299**, and **21.6536, 40.8024, 6.7344** is the 20% darker color. If you saturate the color by 10%, you get **44.5839, 76.0689, 12.3330**, and if you desaturate by 10%, it is **46.8949, 77.2380, 13.4461**.

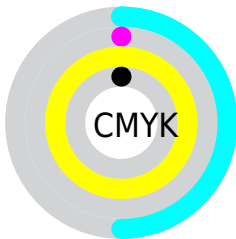
Distribution



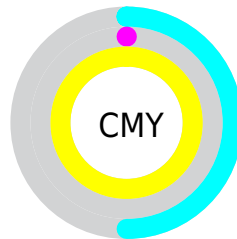
- Red (50%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (50%)



- Cyan (50%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (50%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6676, 76.1114, 12.3655 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 44.6676, 76.1114, 12.3655 by changing the saturation by 10% instead.

44.6676, 76.1114,
12.3655

44.6676, 76.1114,
12.3655

356.2320,
481.7290, 217.8733

31.3958, 56.5239,
6.8676

81.4615, 127.8844,
30.8334

21.0538, 40.6231,
3.3022

105.7144,
160.8386, 44.6404

13.2760, 28.0247,
1.2509

134.3584,
199.0171, 62.0541

7.6972, 18.3443,
0.0211

167.7588,
242.8044, 83.4932

3.9520, 11.1974,
0.0000

206.2810,
292.5849, 109.3761

1.6750, 6.1998,
0.0000

250.2904,

0.4405, 2.9669,

348.7428, 140.1214

0.0000

300.1523,
411.6627, 176.1476

■ 0.0000, 1.1145,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.6676, 76.1114,
12.3655

■ 44.6676, 76.1114,
12.3655

■ 44.5839, 76.0689,
12.3330

■ 46.8949, 77.2380,
13.4461

■ 49.6129, 78.5897,
15.8081

■ 52.8983, 80.1982,
19.8135

■ 56.8025, 82.0848,
25.6929

61.3695, 84.2680,
33.6401

66.6386, 86.7643,
43.8247

72.6454, 89.5888,
56.3988

79.4228, 92.7555,
71.5010

87.0013, 96.2771,
89.2596

Harmonies

Analogous

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



65.0781, 76.1114, 5.6172



44.6676, 76.1114, 12.3655



34.0012, 76.1114, 39.1604

Triad

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



44.6676, 76.1114, 12.3655



54.7950, 76.1114, 312.3499



136.8993, 76.1114, 63.1448

Complementary

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



44.6676, 76.1114, 12.3655



26.9696, 11.8350, 95.4707

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.



132.1695, 76.1114, 150.8929



44.6676, 76.1114, 12.3655



80.1264, 76.1114, 334.5506

Square

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



44.6676, 76.1114, 12.3655



38.7535, 76.1114, 213.6394



109.5831, 76.1114, 263.0331



121.2449, 76.1114, 20.6070

Rectangle

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



44.6676, 76.1114, 12.3655



31.8406, 76.1114, 78.5914



109.5831, 76.1114, 263.0331



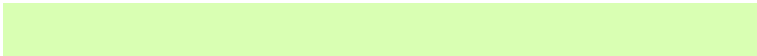
137.7040, 76.1114, 87.3061

Sweetspot

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



44.6677, 76.1115, 12.3666



72.3853, 89.4670, 55.8369



48.9675, 36.7060, 4.5340



14.9345, 18.8872, 10.7615



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.



44.6677, 76.1115, 12.3666



44.5839, 76.0689, 12.3330



35.7787, 71.5290, 11.9506



18.6368, 20.6142, 19.1410



23.4682, 39.8364, 6.4523



2.4110, 3.9437, 0.6341

Inverse Universe

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



26.9696, 11.8350, 95.4707



26.8802, 11.7721, 95.4632



59.3013, 28.5026, 96.9838



17.8685, 17.8240, 22.7485



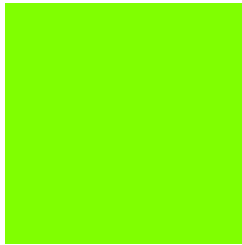
14.2177, 6.2400, 49.8897



1.5103, 0.6725, 4.8635

Previews

White Background



This preview shows how the XYZ color 44.6676, 76.1114, 12.3655 looks on a white background.

Color Contrast Check

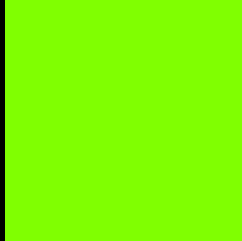
Large Text (above 18pt) WCAG AA × Fail

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 44.6676, 76.1114, 12.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

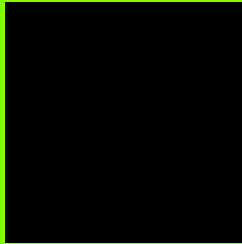
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.6676, 76.1114, 12.3655

Background



This preview shows how black text looks on a background with the XYZ color 44.6676, 76.1114, 12.3655.



This preview shows how white text looks on a background with the XYZ color 44.6676, 76.1114,

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

44.6676, 76.1114, 12.3655

Protanopia

67.4332, 74.7331, 10.8708

Deuteranopia

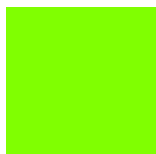
73.6394, 74.7502, 47.5928



Tritanopia

63.8512, 75.7877, 105.8709

Trichromacy



Original Color

44.6676, 76.1114, 12.3655



Protanomaly

56.0079, 73.4008, 11.2158



Deuteranomaly

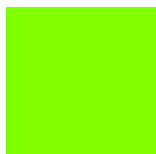
57.8049, 72.3301, 24.8244



Tritanomaly

51.9104, 74.0211, 46.2019

Monochromacy



Original Color

44.6676, 76.1114, 12.3655



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

42.6595, 56.5500, 26.4362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6676, 76.1114, 12.3655 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(128, 255, 1)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 1)  
}
```

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(128, 255, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 1) }
```

Border

The CSS property to change the border of an element to XYZ 44.6676, 76.1114, 12.3655 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(128, 255, 1) }
```


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

```
.border{ border-color:rgb(128, 255, 1) }
```

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

Here you see how a box with a 4 pixel rgb(128, 255, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 1);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6676, 76.1114, 12.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 1) }
```

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

```
.background{ background-color: rgb(128,  
255, 1) }
```

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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