

# Converting Colors

XYZ(44.9382, 76.0233, 22.6614)

Have a look what the booklet for  
XYZ(44.9382, 76.0233, 22.6614)  
contains.

<b>XYZ(44.9382, 76.0233, 22.6614)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.9382, 76.0233,  
22.6614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74FF5D
RGB	116, 255, 93
RGB Percent	45%, 100%, 36%
CMY	0.5451, 0.0000, 0.6353
CMYK	0.55, 0.00, 0.64, 0.00
HSL	111°, 100%, 68%
HSV	111°, 64%, 100%
XYZ	44.9382, 76.0233, 22.6614
YIQ	194.9710, -30.8420, -79.8500

# Conversions

## Conversions Part 2

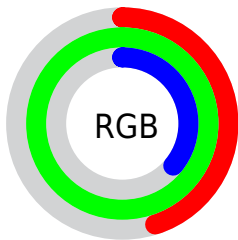
Format	Color
<a href="#">RYB</a>	<a href="#">93, 255, 232</a>
Decimal	<a href="#">7667549</a>
CIELab	<a href="#">89.87, -66.82, 64.01</a>
CIELCh	<a href="#">90, 92.531, 136.229</a>
Yxy	<a href="#">76.0233, 0.3129, 0.5293</a>
Android (android.graphics.Color)	<a href="#">4285857629 (0xFF74FF5D)</a>
YUV	<a href="#">194.9710, -50.2717, -69.2576</a>
Hunter-Lab	<a href="#">87.1913, -60.5864, 45.6242</a>

# Details

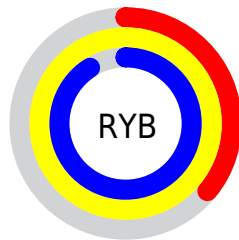
The XYZ color **44.9382, 76.0233, 22.6614** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **55.2451, 32.2062, 97.9124**, and the grayscale version is **52.1578, 54.8740, 59.7578**.

A 20% lighter version of the original color is **59.5449, 83.1549, 41.3459**, and **21.2232, 40.5504, 8.0749** is the 20% darker color. If you saturate the color by 10%, you get **41.4167, 74.3174, 17.5518**, and if you desaturate by 10%, it is **49.5216, 78.2331, 29.7878**.

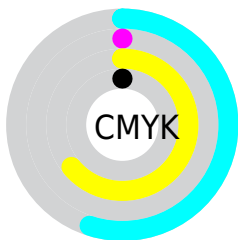
# Distribution



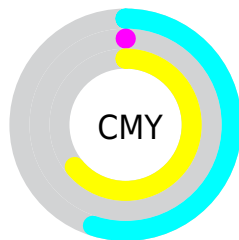
- Red (45%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (91%)



- Cyan (55%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)




- Cyan (55%)
- Magenta (0%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9382, 76.0233, 22.6614 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 44.9382, 76.0233, 22.6614 by changing the saturation by 10% instead.





 44.9382, 76.0233,  
22.6614


 44.9382, 76.0233,  
22.6614


357.3111,  
481.4275, 279.0464

 31.6098, 56.4516,  
14.1407


 81.8653, 127.7598,  
48.7529


 21.2178, 40.5651,  
8.0788


 106.1947,  
160.6935, 67.1608

 13.3966, 27.9794,  
4.0569


 134.9219,  
198.8499, 89.7015

 7.7811, 18.3102,  
1.6566

 168.4122,  
242.6135, 116.7936

 4.0058, 11.1729,  
0.3307

207.0308,  
292.3687, 148.8556

 1.7054, 6.1832,  
0.0000

251.1433,

 0.4597, 2.9568,

348.4998, 186.3060

0.0000

301.1150,  
411.3912, 229.5634

0.0000, 1.1092,  
0.0000

0.0000, 0.0000,  
0.0000

44.9382, 76.0233,  
22.6614

44.9382, 76.0233,  
22.6614

41.4167, 74.3174,  
17.5518

49.5216, 78.2331,  
29.7878

38.8684, 73.0741,  
14.2471

55.2438, 80.9827,  
39.1071

37.1905, 72.2462,  
12.4950

62.1757, 84.3050,  
50.7807

36.4944, 71.8986,  
11.9544

70.3817, 88.2302,  
64.9534

■ 79.9220, 92.7863,  
81.7586

■ 90.8526, 97.9996,  
101.3202

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.



60.6565, 76.0233, 11.1934



44.9382, 76.0233, 22.6614



37.4221, 76.0233, 56.2812

# Triad

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



44.9382, 76.0233, 22.6614



62.2916, 76.0233, 275.1183



123.2111, 76.0233, 52.3439

# Complementary

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



44.9382, 76.0233, 22.6614



55.2451, 32.2062, 97.9124

# 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.



123.9089, 76.0233, 116.5036



44.9382, 76.0233, 22.6614



85.2515, 76.0233, 272.0176

# Square

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



44.9382, 76.0233, 22.6614



45.9166, 76.0233, 211.0134



108.8724, 76.0233, 203.9682



107.1297, 76.0233, 21.0894



# Rectangle

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



44.9382, 76.0233, 22.6614



36.7784, 76.0233, 97.2000



108.8724, 76.0233, 203.9682



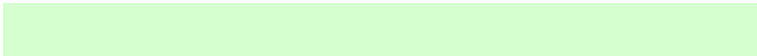
125.3529, 76.0233, 69.8554

# Sweetspot

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



44.9385, 76.0234, 22.6626



74.5323, 90.2131, 72.2281



71.7082, 79.0349, 21.8329



15.3848, 19.0379, 14.4625



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.



44.9385, 76.0234, 22.6626



40.6997, 73.9686, 16.5755



45.7559, 76.0399, 40.9946



18.0114, 20.2918, 19.1117



19.1413, 37.6058, 6.2498



1.9326, 3.6971, 0.6117



# Inverse Universe

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



55.2451, 32.2062, 97.9124



51.5629, 26.9896, 97.0996



55.3827, 33.1807, 57.0943



18.5243, 18.1620, 22.7792



24.7625, 11.6760, 50.3832

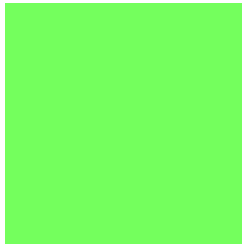


2.4775, 1.1711, 4.9087



# Previews

## White Background



This preview shows how the XYZ color 44.9382, 76.0233, 22.6614 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

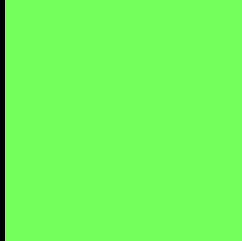
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.9382, 76.0233, 22.6614 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

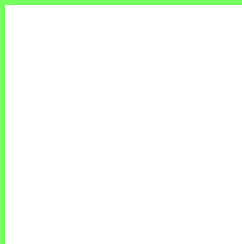
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.9382, 76.0233, 22.6614**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.9382, 76.0233, 22.6614.



This preview shows how white text looks on a background with the XYZ color 44.9382, 76.0233, 22.6614.



# 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

44.9382, 76.0233, 22.6614

### Protanopia

67.9498, 74.8145, 19.2468

### Deuteranopia

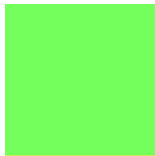
73.6621, 74.3431, 48.9953



## Tritanopia

62.6323, 75.1593, 105.8139

# Trichromacy



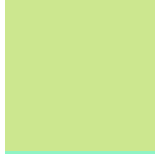
## Original Color

44.9382, 76.0233, 22.6614



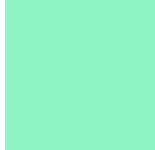
## Protanomaly

55.8031, 73.0965, 20.1847



## Deuteranomaly

58.4357, 71.9724, 36.7988



## Tritanomaly

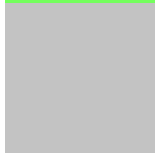
53.6422, 74.5265, 63.7824

# Monochromacy



## Original Color

44.9382, 76.0233, 22.6614



## Achromatopsia

51.8711, 54.5724, 59.4294



## Achromatomaly

46.7103, 60.2013, 41.5059

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.9382, 76.0233, 22.6614 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(116, 255, 93)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 93)  
}
```

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(116, 255, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 93) }
```

## Border

The CSS property to change the border of an element to XYZ 44.9382, 76.0233, 22.6614 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(116, 255, 93) }
```



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

```
.border{ border-color:rgb(116, 255, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 255, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 93);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
93) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.9382, 76.0233, 22.6614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 93) }
```

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

```
.background{ background-color: rgb(116,  
255, 93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor