

Converting Colors

XYZ(45.5972, 76.4385, 19.2837)

Have a look what the booklet for
XYZ(45.5972, 76.4385, 19.2837)
contains.

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Color

**XYZ(45.5570, 76.4158,
19.3698)**

Conversions

Conversions Part 1

Format	Color
Hex	7DFF4D
RGB	125, 255, 77
RGB Percent	49%, 100%, 30%
CMY	0.5098, 0.0000, 0.6980
CMYK	0.51, 0.00, 0.70, 0.00
HSL	104°, 100%, 65%
HSV	104°, 70%, 100%
XYZ	45.5570, 76.4158, 19.3698
YIQ	195.8380, -20.3420, -82.9180

Conversions

Conversions Part 2

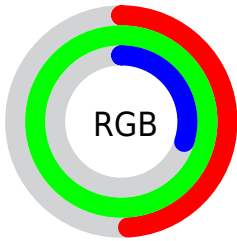
Format	Color
RYB	77, 255, 207
Decimal	8257357
CIELab	90.05, -65.82, 70.37
CIELCh	90, 96.353, 133.089
Yxy	76.4158, 0.3223, 0.5406
Android (android.graphics.Color)	4286447437 (0xFF7DFF4D)
YUV	195.8380, -58.5871, -62.1249
Hunter-Lab	87.4161, -59.9528, 48.0537

Details

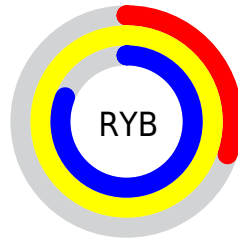
The XYZ color **45.5570, 76.4158, 19.3698** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **46.4382, 25.7949, 97.1391**, and the grayscale version is **52.7213, 55.4669, 60.4034**.

A 20% lighter version of the original color is **60.6267, 83.8341, 35.9079**, and **21.5971, 40.7733, 6.7317** is the 20% darker color. If you saturate the color by 10%, you get **42.3574, 74.8507, 15.4060**, and if you desaturate by 10%, it is **49.6195, 78.3849, 25.2170**.

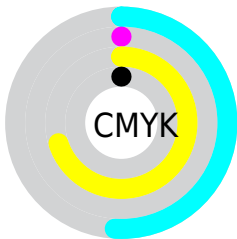
Distribution



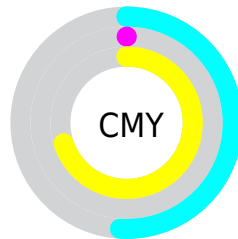
- Red (49%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (81%)



- Cyan (51%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)



- Cyan (51%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.5570, 76.4158, 19.3698 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 45.5570, 76.4158, 19.3698 by changing the saturation by 10% instead.


 45.5570, 76.4158,
19.3698


 45.5570, 76.4158,
19.3698


359.7706,
482.7699, 260.9731

 32.0995, 56.7735,
11.7583


 82.7875, 128.3145,
43.2030


 21.5934, 40.8234,
6.4588


 107.2913,
161.3397, 60.2618


 13.6734, 28.1811,
3.0527


 136.2079,
199.5947, 81.3068

 7.9740, 18.4623,
1.1216

 169.9027,
243.4638, 106.7565

 4.1300, 11.2824,
0.0000

 208.7410,
293.3315, 137.0294

 1.7759, 6.2571,
0.0000

253.0882,

 0.5031, 3.0020,

349.5821, 172.5441

0.0000

303.3096,
412.6001, 213.7192

■ 0.0000, 1.1328,
0.0000

■ 0.0000, 0.0058,
0.0000

■ 45.5570, 76.4158,
19.3698

■ 45.5570, 76.4158,
19.3698

■ 42.3574, 74.8507,
15.4060

■ 49.6195, 78.3849,
25.2170

■ 39.9475, 73.6572,
13.0895

■ 54.6075, 80.7861,
33.1394

■ 38.2261, 72.7910,
12.0499

■ 60.5779, 83.6451,
43.3090

■ 38.1971, 72.7764,
12.0341

■ 67.5826, 86.9851,
55.8790

■ 75.6696, 90.8281,
70.9890

■ 84.8839, 95.1943,
88.7680

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.



62.7185, 76.4158, 9.5945



45.5570, 76.4158, 19.3698



36.9550, 76.4158, 50.5076

Triad

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



45.5570, 76.4158, 19.3698



60.0735, 76.4158, 283.1600



127.1783, 76.4158, 56.8295

Complementary

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



45.5570, 76.4158, 19.3698



46.4382, 25.7949, 97.1391

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.



126.0300, 76.4158, 127.6298



45.5570, 76.4158, 19.3698



83.5363, 76.4158, 288.3283

Square

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



45.5570, 76.4158, 19.3698



43.9882, 76.4158, 209.2863



108.7403, 76.4158, 220.9705



111.5997, 76.4158, 21.8134

Rectangle

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



45.5570, 76.4158, 19.3698



35.7453, 76.4158, 90.4948



108.7403, 76.4158, 220.9705



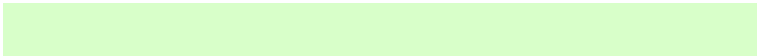
128.8219, 76.4158, 76.3153

Sweetspot

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



45.5572, 76.4159, 19.3710



74.6418, 90.3403, 69.0397



64.3080, 65.2524, 16.2279



15.4827, 19.1021, 13.8471



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.



45.5572, 76.4159, 19.3710



41.2540, 74.3064, 14.2478



41.9486, 74.3490, 28.5325



18.2310, 20.4050, 19.1220



20.0794, 38.0894, 6.2937



2.0539, 3.7596, 0.6174

Inverse Universe

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



46.4382, 25.7949, 97.1391



41.9259, 20.6953, 96.3926



56.3453, 31.5490, 68.3806



18.2869, 18.0396, 22.7681



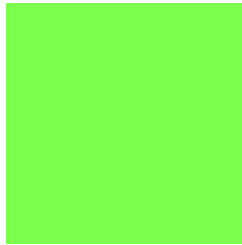
20.1932, 9.3205, 50.1693



2.0704, 0.9613, 4.8897

Previews

White Background



This preview shows how the XYZ color 45.5570, 76.4158, 19.3698 looks on a white background.

Color Contrast Check

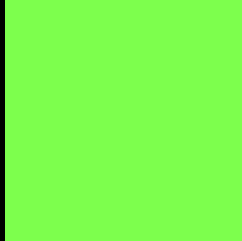
Large Text (above 18pt) WCAG AA × Fail

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 45.5570, 76.4158, 19.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

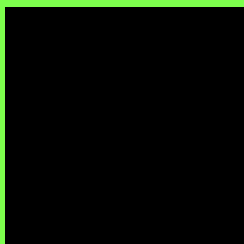
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

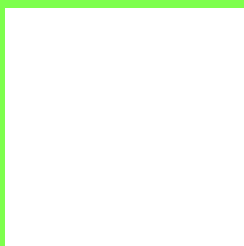
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5570, 76.4158, 19.3698

Background



This preview shows how black text looks on a background with the XYZ color 45.5570, 76.4158, 19.3698.

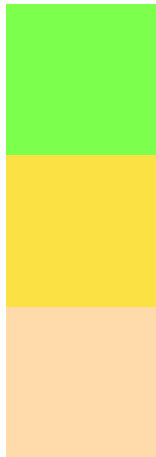


This preview shows how white text looks on a background with the XYZ color 45.5570, 76.4158,

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

45.5570, 76.4158, 19.3698

Protanopia

68.1443, 74.9755, 16.5104

Deuteranopia

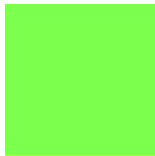
74.0179, 74.9016, 49.5860



Tritanopia

63.6440, 75.6809, 105.8612

Trichromacy



Original Color

45.5570, 76.4158, 19.3698



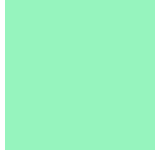
Protanomaly

56.6188, 73.5806, 17.3492



Deuteranomaly

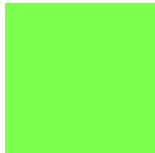
59.3844, 72.9293, 34.6138



Tritanomaly

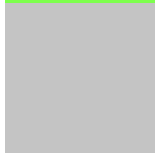
54.2226, 74.9031, 60.3151

Monochromacy



Original Color

45.5570, 76.4158, 19.3698



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.1402, 60.4717, 39.3246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5570, 76.4158, 19.3698 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(125, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(125, 255, 77)  
}
```

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(125, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 255, 77) }
```

Border

The CSS property to change the border of an element to XYZ 45.5570, 76.4158, 19.3698 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(125, 255, 77) }
```


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

```
.border{ border-color:rgb(125, 255, 77) }
```

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

Here you see how a box with a 4 pixel rgb(125, 255, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(125, 255,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5570, 76.4158, 19.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 255, 77) }
```

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

```
.background{ background-color: rgb(125,  
255, 77) }
```

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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