

Converting Colors

XYZ(45.9637, 76.6655, 17.5807)

Have a look what the booklet for
XYZ(45.9637, 76.6655, 17.5807)
contains.

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Color

**XYZ(45.9493, 76.6592,
17.5292)**

Conversions

Conversions Part 1

Format	Color
Hex	82FF42
RGB	130, 255, 66
RGB Percent	51%, 100%, 26%
CMY	0.4902, 0.0000, 0.7411
CMYK	0.49, 0.00, 0.74, 0.00
HSL	100°, 100%, 63%
HSV	100°, 74%, 100%
XYZ	45.9493, 76.6592, 17.5292
YIQ	196.0790, -13.8310, -85.2790

Conversions

Conversions Part 2

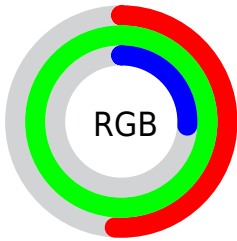
Format	Color
RYB	66, 255, 191
Decimal	8585026
CIELab	90.16, -65.19, 74.24
CIELCh	90, 98.798, 131.284
Yxy	76.6592, 0.3279, 0.5470
Android (android.graphics.Color)	4286775106 (0xFF82FF42)
YUV	196.0790, -64.1289, -57.9513
Hunter-Lab	87.5552, -59.5442, 49.4184

Details

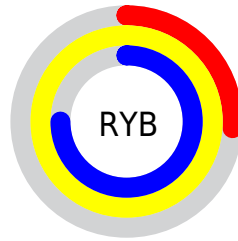
The XYZ color **45.9493, 76.6592, 17.5292** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **41.4865, 22.1947, 96.7052**, and the grayscale version is **52.8959, 55.6506, 60.6035**.

A 20% lighter version of the original color is **61.2641, 84.2328, 32.7683**, and **22.0162, 40.9893, 6.7514** is the 20% darker color. If you saturate the color by 10%, you get **42.9790, 75.1963, 14.3022**, and if you desaturate by 10%, it is **49.6788, 78.4747, 22.5415**.

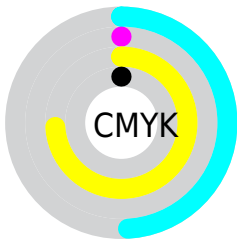
Distribution



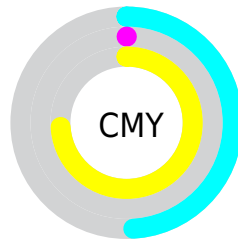
- Red (51%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (75%)



- Cyan (49%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)




- Cyan (49%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9493, 76.6592, 17.5292 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 45.9493, 76.6592, 17.5292 by changing the saturation by 10% instead.


 45.9493, 76.6592,
17.5292


 45.9493, 76.6592,
17.5292


361.3241,
483.6013, 250.3502

 32.4103, 56.9732,
10.4466


 83.3714, 128.6583,
40.0365


 21.8321, 40.9837,
5.5866


 107.9853,
161.7402, 56.2982


 13.8495, 28.3064,
2.5307


 137.0214,
200.0562, 76.4568

 8.0971, 18.5567,
0.8563

 170.8452,
243.9906, 100.9306

 4.2095, 11.3504,
0.0000

 209.8220,
293.9280, 130.1384

 1.8213, 6.3031,
0.0000

254.3172,

 0.5305, 3.0302,

350.2526, 164.4985

0.0000

304.6961,
413.3489, 204.4296

0.0000, 1.1475,
0.0000

0.0000, 0.0182,
0.0000

45.9493, 76.6592,
17.5292

45.9493, 76.6592,
17.5292

42.9790, 75.1963,
14.3022

49.6788, 78.4747,
22.5415

40.6984, 74.0559,
12.6014

54.2258, 80.6685,
29.5445

39.6293, 73.5147,
12.1011

59.6424, 83.2634,
38.7194

65.9760, 86.2803,
50.2260

■ 73.2700, 89.7386,
64.2090

■ 81.5650, 93.6562,
80.8016

■ 90.8991, 98.0500,
100.1272

■ 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.



64.0123, 76.6592, 8.7035



45.9493, 76.6592, 17.5292



36.6814, 76.6592, 47.1773

Triad

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



45.9493, 76.6592, 17.5292



58.7439, 76.6592, 288.0740



129.6342, 76.6592, 59.7167

Complementary

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



45.9493, 76.6592, 17.5292



41.4865, 22.1947, 96.7052

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.



127.3235, 76.6592, 134.7830



45.9493, 76.6592, 17.5292



82.4925, 76.6592, 298.5538

Square

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



45.9493, 76.6592, 17.5292



42.8412, 76.6592, 208.1742



108.6465, 76.6592, 231.7977



114.3905, 76.6592, 22.2803

Rectangle

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



45.9493, 76.6592, 17.5292



35.1319, 76.6592, 86.5345



108.6465, 76.6592, 231.7977



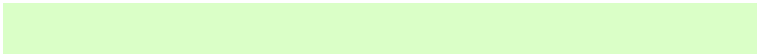
130.9608, 76.6592, 80.4764

Sweetspot

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



45.9495, 76.6592, 17.5304



74.9393, 90.5282, 67.4959



60.3895, 57.9853, 13.1648



15.5836, 19.1608, 13.5493



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.



45.9495, 76.6592, 17.5304



41.7835, 74.6010, 13.2990



40.0437, 73.4931, 22.7488



18.3512, 20.4670, 19.1276



20.8493, 38.4863, 6.3297



2.1411, 3.8046, 0.6215

Inverse Universe

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



41.4865, 22.1947, 96.7052



36.8622, 17.5363, 96.0497



57.0057, 30.6841, 75.3389



18.1603, 17.9744, 22.7622



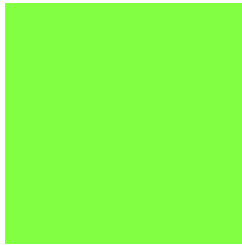
18.1086, 8.2458, 50.0718



1.8799, 0.8630, 4.8808

Previews

White Background



This preview shows how the XYZ color 45.9493, 76.6592, 17.5292 looks on a white background.

Color Contrast Check

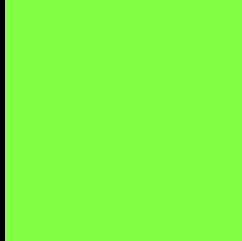
Large Text (above 18pt) WCAG AA × Fail

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 45.9493, 76.6592, 17.5292 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

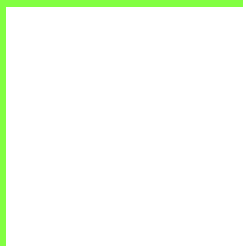
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9493, 76.6592, 17.5292

Background



This preview shows how black text looks on a background with the XYZ color 45.9493, 76.6592, 17.5292.



This preview shows how white text looks on a background with the XYZ color 45.9493, 76.6592,

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

45.9493, 76.6592, 17.5292

Protanopia

68.4681, 75.5808, 14.9829

Deuteranopia

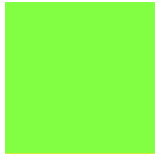
74.2796, 75.4250, 49.6732



Tritanopia

64.2705, 76.0039, 105.8905

Trichromacy



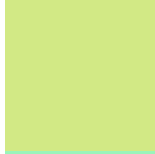
Original Color

45.9493, 76.6592, 17.5292



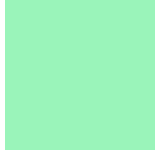
Protanomaly

57.1389, 74.3152, 15.7476



Deuteranomaly

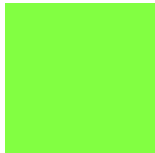
59.9509, 73.6729, 33.2508



Tritanomaly

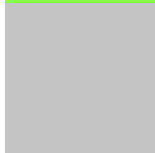
54.5400, 75.1166, 58.0788

Monochromacy



Original Color

45.9493, 76.6592, 17.5292



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.2509, 60.5663, 37.6338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9493, 76.6592, 17.5292 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(130, 255, 66)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 66)  
}
```

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(130, 255, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 66) }
```

Border

The CSS property to change the border of an element to XYZ 45.9493, 76.6592, 17.5292 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(130, 255, 66) }
```


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

```
.border{ border-color:rgb(130, 255, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 66);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9493, 76.6592, 17.5292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 66) }
```

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

```
.background{ background-color: rgb(130,  
255, 66) }
```

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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