

Converting Colors

XYZ(45.9076, 75.9280, 49.5920)

Have a look what the booklet for
XYZ(45.9076, 75.9280, 49.5920)
contains.

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Color

**XYZ(45.9820, 75.9624,
49.7748)**

Conversions

Conversions Part 1

Format	Color
Hex	4DFFA9
RGB	77, 255, 169
RGB Percent	30%, 100%, 66%
CMY	0.6980, 0.0000, 0.3372
CMYK	0.70, 0.00, 0.34, 0.00
HSL	151°, 100%, 65%
HSV	151°, 70%, 100%
XYZ	45.9820, 75.9624, 49.7748
YIQ	191.9740, -78.4820, -64.4820

Conversions

Conversions Part 2

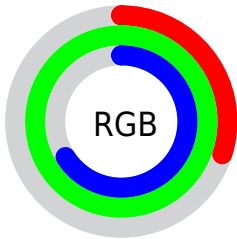
Format	Color
RYB	77, 194, 255
Decimal	5111721
CIELab	89.84, -63.70, 28.42
CIELCh	90, 69.754, 155.958
Yxy	75.9624, 0.2678, 0.4424
Android (android.graphics.Color)	4283301801 (0xFF4DFFA9)
YUV	191.9740, -11.3262, -100.8322
Hunter-Lab	87.1564, -58.3506, 27.1491

Details

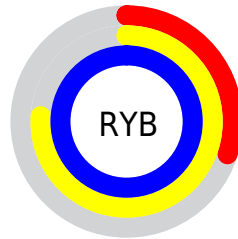
The XYZ color **45.9820, 75.9624, 49.7748** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **50.5052, 29.2127, 37.6278**, and the grayscale version is **50.1849, 52.7984, 57.4975**.

A 20% lighter version of the original color is **61.2047, 83.0672, 84.0419**, and **23.1186, 41.1935, 23.2557** is the 20% darker color. If you saturate the color by 10%, you get **43.2095, 74.6605, 43.8898**, and if you desaturate by 10%, it is **49.6704, 77.7238, 56.2741**.

Distribution



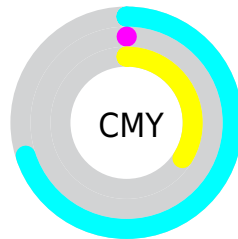
- Red (30%)
- Green (100%)
- Blue (66%)



- Red (30%)
- Yellow (76%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9820, 75.9624, 49.7748 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 45.9820, 75.9624, 49.7748 by changing the saturation by 10% instead.


 45.9820, 75.9624,
49.7748


 45.9820, 75.9624,
49.7748


361.4534,
481.2190, 402.4944


 32.4362, 56.4017,
34.8646


 83.4201, 127.6738,
91.2340


 21.8520, 40.5251,
23.2758


 108.0431,
160.5932, 118.6200

 13.8642, 27.9482,
14.5901


 137.0891,
198.7343, 151.0017

 8.1074, 18.2866,
8.3888

 170.9237,
242.4815, 188.7977

 4.2161, 11.1559,
4.2534

209.9120,
292.2192, 232.4264

 1.8251, 6.1718,
1.7654

254.4195,

 0.5327, 2.9498,

348.3317, 282.3064

0.4050

304.8115,
411.2035, 338.8562

0.0000, 1.1056,
0.0000

0.0000, 0.0000,
0.0000

45.9820, 75.9624,
49.7748

45.9820, 75.9624,
49.7748

43.2095, 74.6605,
43.8898

49.6704, 77.7238,
56.2741

41.2479, 73.7644,
38.5949

54.3602, 79.9885,
63.4031

39.9340, 73.1903,
33.8673

60.1283, 82.7959,
71.1810

39.9111, 73.1804,
33.7793

67.0433, 86.1810,
79.6251

■ 75.1681, 90.1758,
88.7517

■ 84.5605, 94.8101,
98.5767

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.



54.4471, 75.9624, 27.2415



45.9820, 75.9624, 49.7748



44.0165, 75.9624, 92.9516

Triad

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



45.9820, 75.9624, 49.7748



75.6926, 75.9624, 217.4522



102.4613, 75.9624, 38.5820

Complementary

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



45.9820, 75.9624, 49.7748



50.5052, 29.2127, 37.6278

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.



110.4015, 75.9624, 73.2500



45.9820, 75.9624, 49.7748



93.4447, 75.9624, 185.6863

Square

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



45.9820, 75.9624, 49.7748



59.5309, 75.9624, 203.0837



106.8643, 75.9624, 127.6800



86.5499, 75.9624, 22.8105

Rectangle

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



45.9820, 75.9624, 49.7748



46.3295, 75.9624, 131.5596



106.8643, 75.9624, 127.6800



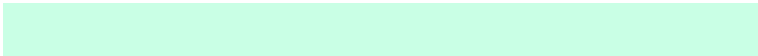
106.2573, 75.9624, 47.7531

Sweetspot

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



45.9826, 75.9626, 49.7761



74.1293, 89.6642, 87.6222



52.2112, 79.8462, 19.6820



15.3688, 18.9468, 18.2055



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.



45.9826, 75.9626, 49.7761



42.2940, 74.2383, 41.5964



55.9318, 78.4397, 106.8002



18.1636, 20.3250, 21.1644



20.9303, 38.2687, 18.0500



2.0931, 3.7482, 2.0483

Inverse Universe

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



50.5052, 29.2127, 37.6278



47.0822, 24.8546, 28.8175



45.4462, 27.5289, 9.9403



18.3750, 18.1333, 20.5919



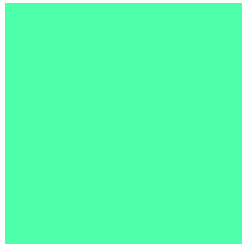
23.4981, 11.8885, 11.2736



2.3428, 1.1795, 1.3868

Previews

White Background



This preview shows how the XYZ color 45.9820, 75.9624, 49.7748 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 45.9820, 75.9624, 49.7748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

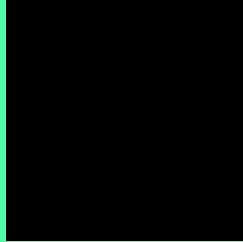
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9820, 75.9624, 49.7748

Background



This preview shows how black text looks on a background with the XYZ color 45.9820, 75.9624, 49.7748.



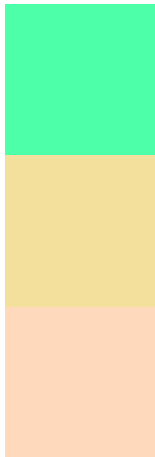
This preview shows how white text looks on a background with the XYZ color 45.9820, 75.9624,

49.7748.

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

45.9820, 75.9624, 49.7748

Protanopia

69.2744, 74.5889, 42.1984

Deuteranopia

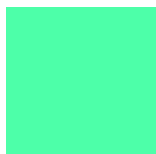
75.0225, 74.4736, 57.4344



Tritanopia

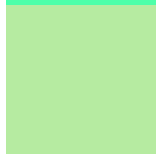
60.9491, 75.1560, 105.9020

Trichromacy



Original Color

45.9820, 75.9624, 49.7748



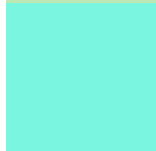
Protanomaly

55.4328, 71.9350, 44.6814



Deuteranomaly

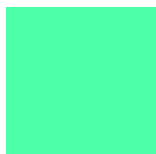
58.0493, 71.3943, 53.9010



Tritanomaly

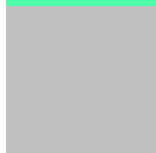
54.1330, 74.8242, 82.1104

Monochromacy



Original Color

45.9820, 75.9624, 49.7748



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

45.5298, 58.5456, 54.2482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9820, 75.9624, 49.7748 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(77, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 169)  
}
```

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(77, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 45.9820, 75.9624, 49.7748 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(77, 255, 169) }
```


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

```
.border{ border-color:rgb(77, 255, 169) }
```

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

Here you see how a box with a 4 pixel rgb(77, 255, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9820, 75.9624, 49.7748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 169) }
```

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

```
.background{ background-color: rgb(77, 255,  
169) }
```

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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