

Converting Colors

XYZ(45.8451, 76.4420, 24.9089)

Have a look what the booklet for
XYZ(45.8451, 76.4420, 24.9089)
contains.

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Color

**XYZ(45.9040, 76.4724,
24.9116)**

Conversions

Conversions Part 1

Format	Color
Hex	78FF66
RGB	120, 255, 102
RGB Percent	47%, 100%, 40%
CMY	0.5294, 0.0000, 0.6000
CMYK	0.53, 0.00, 0.60, 0.00
HSL	113°, 100%, 70%
HSV	113°, 60%, 100%
XYZ	45.9040, 76.4724, 24.9116
YIQ	197.1930, -31.3470, -76.2030

Conversions

Conversions Part 2

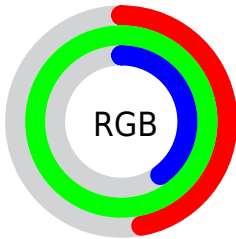
Format	Color
RYB	102, 255, 237
Decimal	7929702
CIELab	90.08, -64.94, 60.57
CIElCh	90, 88.805, 136.996
Yxy	76.4724, 0.3117, 0.5192
Android (android.graphics.Color)	4286119782 (0xFF78FF66)
YUV	197.1930, -46.9301, -67.6983
Hunter-Lab	87.4485, -59.3356, 44.3239

Details

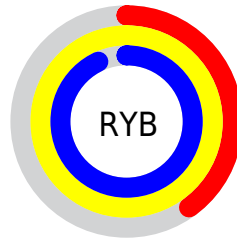
The XYZ color **45.9040, 76.4724, 24.9116** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **57.7282, 34.7288, 98.2685**, and the grayscale version is **53.4759, 56.2608, 61.2680**.

A 20% lighter version of the original color is **60.9019, 83.7781, 44.8592**, and **21.7553, 40.8001, 9.2112** is the 20% darker color. If you saturate the color by 10%, you get **42.0653, 74.6178, 19.1154**, and if you desaturate by 10%, it is **50.8652, 78.8607, 32.7922**.

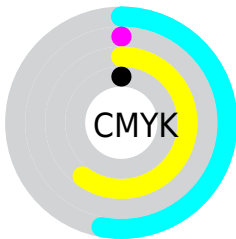
Distribution



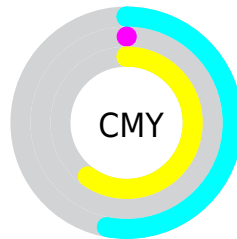
- Red (47%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (93%)



- Cyan (53%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9040, 76.4724, 24.9116 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 45.9040, 76.4724, 24.9116 by changing the saturation by 10% instead.


 45.9040, 76.4724,
24.9116

 45.9040, 76.4724,
24.9116


361.1450,
482.9633, 290.8310


 32.3744, 56.8200,
15.7928


 83.3041, 128.3945,
52.4761


 21.8045, 40.8607,
9.2249


 107.9052,
161.4328, 71.7589

 13.8291, 28.2103,
4.7893


 136.9275,
199.7020, 95.2668

 8.0828, 18.4842,
2.0676

 170.7365,
243.5864, 123.4182

 4.2003, 11.2982,
0.5964

209.6973,
293.4703, 156.6318

 1.8160, 6.2678,
0.0000

254.1754,

 0.5273, 3.0086,

349.7381, 195.3261

0.0000

304.5362,
412.7743, 239.9197

0.0000, 1.1362,
0.0000

0.0000, 0.0087,
0.0000

45.9040, 76.4724,
24.9116

45.9040, 76.4724,
24.9116

42.0653, 74.6178,
19.1154

50.8652, 78.8607,
32.7922

39.2592, 73.2549,
15.2029


57.0275, 81.8196,
42.9260

37.3829, 72.3358,
12.9404

64.4632, 85.3829,
55.4685

36.2954, 71.7960,
11.9452

73.2387, 89.5819,
70.5605

 36.2952, 71.7959,
11.9450

 83.4157, 94.4455,
88.3319

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.



60.9949, 76.4724, 12.7969



45.9040, 76.4724, 24.9116



38.7362, 76.4724, 58.8458

Triad

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



45.9040, 76.4724, 24.9116



63.5652, 76.4724, 266.1738



121.1747, 76.4724, 52.6059

Complementary

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



45.9040, 76.4724, 24.9116



57.7282, 34.7288, 98.2685

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.



122.2513, 76.4724, 113.6492



45.9040, 76.4724, 24.9116



85.7801, 76.4724, 261.4571

Square

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



45.9040, 76.4724, 24.9116



47.4566, 76.4724, 207.1901



108.2636, 76.4724, 196.4132



105.5658, 76.4724, 22.3338

Rectangle

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



45.9040, 76.4724, 24.9116



38.2317, 76.4724, 98.9290



108.2636, 76.4724, 196.4132



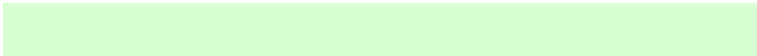
123.3448, 76.4724, 69.3491

Sweetspot

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



45.9043, 76.4725, 24.9128



75.1584, 90.4997, 73.8935



73.2326, 81.4076, 24.4250



15.4926, 19.0865, 14.7850



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.



45.9043, 76.4725, 24.9128



41.4240, 74.3070, 18.1882



47.4204, 76.8172, 44.7221



17.9700, 20.2704, 19.1098



19.0273, 37.5470, 6.2445



1.9132, 3.6870, 0.6108

Inverse Universe

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



57.7282, 34.7288, 98.2685



54.0652, 29.1693, 97.3884



56.2892, 34.8826, 57.7392



18.5699, 18.1855, 22.7814



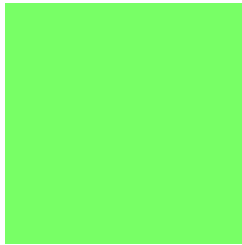
25.7411, 12.1805, 50.4289



2.5633, 1.2153, 4.9128

Previews

White Background



This preview shows how the XYZ color 45.9040, 76.4724, 24.9116 looks on a white background.

Color Contrast Check

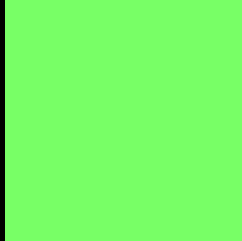
Large Text (above 18pt) WCAG AA × Fail

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 45.9040, 76.4724, 24.9116 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

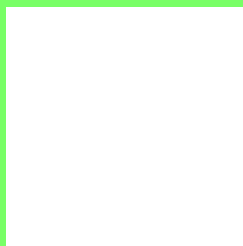
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9040, 76.4724, 24.9116

Background



This preview shows how black text looks on a background with the XYZ color 45.9040, 76.4724, 24.9116.

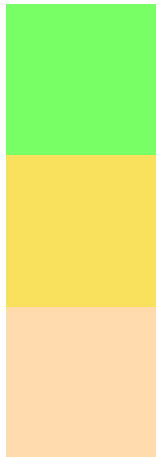


This preview shows how white text looks on a background with the XYZ color 45.9040, 76.4724,

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

45.9040, 76.4724, 24.9116

Protanopia

68.3253, 74.9647, 21.2244

Deuteranopia

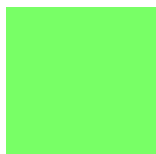
74.2115, 74.9790, 50.6054



Tritanopia

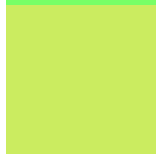
63.5248, 76.0505, 105.9388

Trichromacy



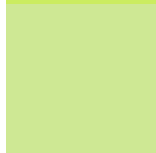
Original Color

45.9040, 76.4724, 24.9116



Protanomaly

56.7354, 73.5319, 22.2691



Deuteranomaly

59.6555, 72.9732, 38.9580



Tritanomaly

54.6921, 75.0279, 65.6321

Monochromacy



Original Color

45.9040, 76.4724, 24.9116



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

47.9552, 61.1865, 43.4651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9040, 76.4724, 24.9116 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(120, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 102)  
}
```

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(120, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 45.9040, 76.4724, 24.9116 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(120, 255, 102) }
```


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

```
.border{ border-color:rgb(120, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9040, 76.4724, 24.9116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 102) }
```

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

```
.background{ background-color: rgb(120,  
255, 102) }
```

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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