

Converting Colors

XYZ(45.4065, 76.2159, 24.8883)

Have a look what the booklet for
XYZ(45.4065, 76.2159, 24.8883)
contains.

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Color

**XYZ(45.3607, 76.1923,
24.8862)**

Conversions

Conversions Part 1

Format	Color
Hex	74FF66
RGB	116, 255, 102
RGB Percent	45%, 100%, 40%
CMY	0.5451, 0.0000, 0.6000
CMYK	0.55, 0.00, 0.60, 0.00
HSL	115°, 100%, 70%
HSV	115°, 60%, 100%
XYZ	45.3607, 76.1923, 24.8862
YIQ	195.9970, -33.7310, -77.0510

Conversions

Conversions Part 2

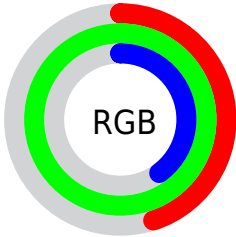
Format	Color
RYB	102, 255, 241
Decimal	7667558
CIELab	89.95, -65.94, 60.39
CIElCh	90, 89.412, 137.516
Yxy	76.1923, 0.3098, 0.5203
Android (android.graphics.Color)	4285857638 (0xFF74FF66)
YUV	195.9970, -46.3405, -70.1574
Hunter-Lab	87.2882, -59.9940, 44.1979

Details

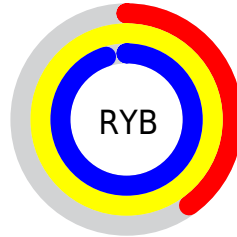
The XYZ color **45.3607, 76.1923, 24.8862** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **59.0789, 35.4252, 98.3317**, and the grayscale version is **52.7513, 55.4984, 60.4378**.

A 20% lighter version of the original color is **60.2059, 83.4193, 44.8266**, and **21.4786, 40.6574, 9.1983** is the 20% darker color. If you saturate the color by 10%, you get **41.5794, 74.3673, 19.0927**, and if you desaturate by 10%, it is **50.2992, 78.5689, 32.7658**.

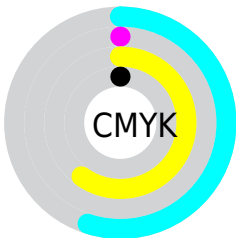
Distribution



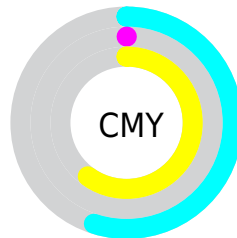
- Red (45%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (95%)



- Cyan (55%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3607, 76.1923, 24.8862 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 45.3607, 76.1923, 24.8862 by changing the saturation by 10% instead.


 45.3607, 76.1923,
24.8862

 45.3607, 76.1923,
24.8862


358.9916,
482.0057, 290.7002


 31.9441, 56.5902,
15.7740


 82.4952, 127.9987,
52.4344

 21.4742, 40.6763,
9.2118


 106.9437,
160.9718, 71.7075

 13.5855, 28.0663,
4.7809


 135.8004,
199.1707, 95.2046

 7.9127, 18.3756,
2.0628

 169.4304,
242.9797, 123.3444

 4.0905, 11.2200,
0.5935

208.1992,
292.7834, 156.5453

 1.7534, 6.2150,
0.0000

252.4721,

 0.4894, 2.9763,

348.9660, 195.2259

0.0000

302.6144,
411.9120, 239.8047

0.0000, 1.1193,
0.0000

0.0000, 0.0000,
0.0000

45.3607, 76.1923,
24.8862

45.3607, 76.1923,
24.8862

41.5794, 74.3673,
19.0927

50.2992, 78.5689,
32.7658

38.8594, 73.0487,
15.1842

56.4786, 81.5366,
42.9003

37.0903, 72.1849,
12.9267

63.9756, 85.1315,
55.4457

36.1210, 71.7061,
11.9370

72.8607, 89.3870,
70.5428

■ 36.1209, 71.7060,
11.9369

■ 83.1992, 94.3339,
88.3218

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.



60.3559, 76.1923, 12.5774



45.3607, 76.1923, 24.8862



38.3209, 76.1923, 59.3146

Triad

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



45.3607, 76.1923, 24.8862



63.6071, 76.1923, 267.7984



121.0279, 76.1923, 51.4320

Complementary

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



45.3607, 76.1923, 24.8862



59.0789, 35.4252, 98.3317

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.



122.3941, 76.1923, 112.1791



45.3607, 76.1923, 24.8862



85.9899, 76.1923, 261.7978

Square

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



45.3607, 76.1923, 24.8862



47.3214, 76.1923, 209.1305



108.5350, 76.1923, 195.4333



105.1133, 76.1923, 21.6488

Rectangle

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



45.3607, 76.1923, 24.8862



37.9036, 76.1923, 99.9368



108.5350, 76.1923, 195.4333



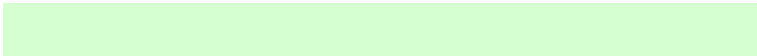
123.3049, 76.1923, 68.0245

Sweetspot

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



45.3610, 76.1924, 24.8874



74.8084, 90.3193, 73.8771



74.7105, 84.3633, 24.9176



15.4091, 19.0434, 14.7811



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.



45.3610, 76.1924, 24.8874



40.9532, 74.0643, 18.1662



47.8690, 76.9967, 47.0845



17.9256, 20.2476, 19.1077



18.9255, 37.4945, 6.2397



1.8923, 3.6763, 0.6099

Inverse Universe

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



59.0789, 35.4252, 98.3317



55.6574, 29.9901, 97.4629



55.7072, 34.6498, 54.6743



18.6192, 18.2109, 22.7837



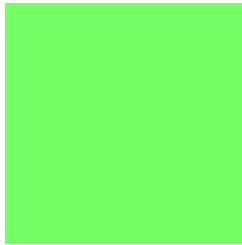
26.8325, 12.7431, 50.4800



2.6585, 1.2644, 4.9172

Previews

White Background



This preview shows how the XYZ color 45.3607, 76.1923, 24.8862 looks on a white background.

Color Contrast Check

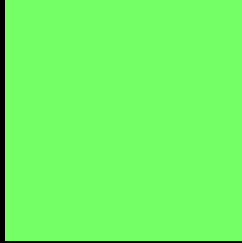
Large Text (above 18pt) WCAG AA × Fail

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 45.3607, 76.1923, 24.8862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

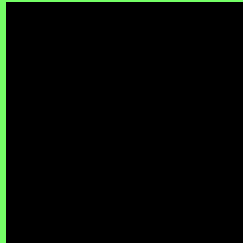
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3607, 76.1923, 24.8862

Background



This preview shows how black text looks on a background with the XYZ color 45.3607, 76.1923, 24.8862.



This preview shows how white text looks on a background with the XYZ color 45.3607, 76.1923,

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

45.3607, 76.1923, 24.8862

Protanopia

68.3253, 74.9647, 21.2244

Deuteranopia

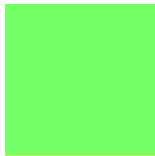
74.1143, 74.9402, 50.0938



Tritanopia

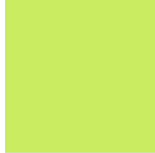
63.1217, 75.8427, 105.9200

Trichromacy



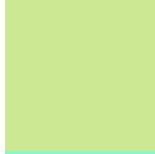
Original Color

45.3607, 76.1923, 24.8862



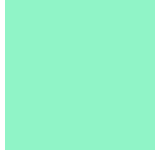
Protanomaly

56.1942, 73.2529, 22.2438



Deuteranomaly

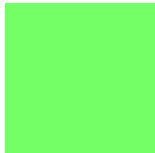
59.0249, 72.6572, 38.5171



Tritanomaly

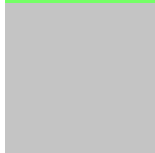
54.1611, 74.7542, 65.6072

Monochromacy



Original Color

45.3607, 76.1923, 24.8862



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.2708, 60.4498, 43.3590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3607, 76.1923, 24.8862 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 45.3607, 76.1923, 24.8862 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, 102) }
```


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

```
.border{ border-color:rgb(116, 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(116, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 255, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 255, 102); box-shadow:4px 4px 4px 4px rgb(116, 255, 102) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3607, 76.1923, 24.8862 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, 102) }
```

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

```
.background{ background-color: rgb(116,  
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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