

Converting Colors

XYZ(45.2996, 76.0098, 31.7065)

Have a look what the booklet for
XYZ(45.2996, 76.0098, 31.7065)
contains.

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Color

**XYZ(45.2874, 76.0039,
31.6854)**

Conversions

Conversions Part 1

Format	Color
Hex	69FF7D
RGB	105, 255, 125
RGB Percent	41%, 100%, 49%
CMY	0.5882, 0.0000, 0.5098
CMYK	0.59, 0.00, 0.51, 0.00
HSL	128°, 100%, 71%
HSV	128°, 59%, 100%
XYZ	45.2874, 76.0039, 31.6854
YIQ	195.3300, -47.6700, -72.2300

Conversions

Conversions Part 2

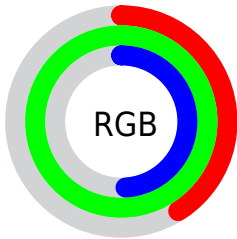
Format	Color
RYB	105, 237, 255
Decimal	6946685
CIELab	89.86, -65.77, 49.98
CIELCh	90, 82.610, 142.767
Yxy	76.0039, 0.2960, 0.4968
Android (android.graphics.Color)	4285136765 (0xFF69FF7D)
YUV	195.3300, -34.6727, -79.2194
Hunter-Lab	87.1802, -59.8402, 39.4774

Details

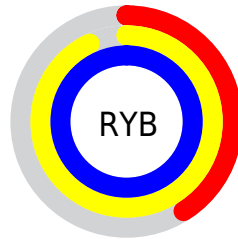
The XYZ color **45.2874, 76.0039, 31.6854** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **61.2869, 37.3615, 82.5771**, and the grayscale version is **52.2895, 55.0127, 59.9088**.

A 20% lighter version of the original color is **60.1467, 83.1401, 56.0576**, and **21.4244, 40.5491, 12.8285** is the 20% darker color. If you saturate the color by 10%, you get **41.4697, 74.1812, 24.9395**, and if you desaturate by 10%, it is **50.3176, 78.4154, 40.1300**.

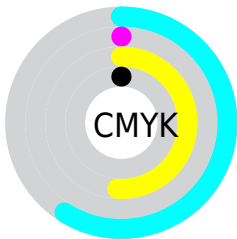
Distribution



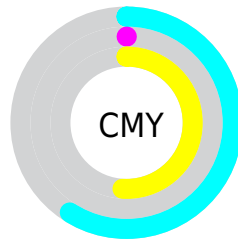
- Red (41%)
- Green (100%)
- Blue (49%)



- Red (41%)
- Yellow (93%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2874, 76.0039, 31.6854 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 45.2874, 76.0039, 31.6854 by changing the saturation by 10% instead.


 45.2874, 76.0039,
31.6854


 45.2874, 76.0039,
31.6854

358.7004,
481.3610, 324.1321


 31.8861, 56.4357,
20.8585


 82.3859, 127.7324,
63.4097

 21.4296, 40.5524,
12.8304


 106.8139,
160.6615, 85.1442

 13.5527, 27.9695,
7.1825


 135.6481,
198.8131, 111.3517

 7.8898, 18.3027,
3.4963

169.2539,
242.5714, 142.4506

 4.0757, 11.1675,
1.3533

207.9967,
292.3210, 178.8596

 1.7451, 6.1796,
0.1049

252.2418,

 0.4842, 2.9546,

348.4462, 220.9971

0.0000

302.3546,
411.3314, 269.2818

0.0000, 1.1081,
0.0000

0.0000, 0.0000,
0.0000

45.2874, 76.0039,
31.6854

45.2874, 76.0039,
31.6854

41.4697, 74.1812,
24.9395

50.3176, 78.4154,
40.1300

38.7593, 72.8955,
19.7736


56.6511, 81.4603,
50.3737


37.0345, 72.0867,
16.0599

64.3712, 85.1794,
62.5135

36.1253, 71.6705,
13.6477

73.5540, 89.6102,
76.6386

 36.0488, 71.6355,
13.4407

 84.2698, 94.7871,
92.8322

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.



58.0950, 76.0039, 16.3691



45.2874, 76.0039, 31.6854



39.8883, 76.0039, 69.3978

Triad

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



45.2874, 76.0039, 31.6854



67.4109, 76.0039, 251.7730



114.7939, 76.0039, 46.4431

Complementary

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



45.2874, 76.0039, 31.6854



61.2869, 37.3615, 82.5771

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.



118.5721, 76.0039, 97.7255



45.2874, 76.0039, 31.6854



88.5113, 76.0039, 235.6271

Square

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



45.2874, 76.0039, 31.6854



51.0050, 76.0039, 208.3320



108.1971, 76.0039, 171.0645



98.6750, 76.0039, 21.6574

Rectangle

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



45.2874, 76.0039, 31.6854



40.3326, 76.0039, 110.1526



108.1971, 76.0039, 171.0645



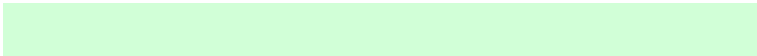
117.6593, 76.0039, 60.3251

Sweetspot

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



45.2878, 76.0041, 31.6866



74.3769, 90.0076, 77.8919



72.5709, 90.2022, 26.9509



15.3068, 18.9694, 15.7368



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.



45.2878, 76.0041, 31.6866



40.7892, 73.8575, 23.6843



52.0113, 78.6935, 67.0921



17.8702, 20.2076, 19.6192



18.8663, 37.4431, 7.1813



1.8659, 3.6573, 0.8517

Inverse Universe

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



61.2869, 37.3615, 82.5771



58.0891, 31.9123, 78.5938



52.6370, 33.9016, 37.0276



18.6823, 18.2562, 22.2101



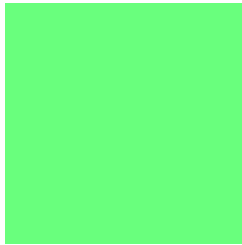
28.4085, 13.8527, 37.1315



2.7937, 1.3599, 3.7610

Previews

White Background



This preview shows how the XYZ color 45.2874, 76.0039, 31.6854 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 45.2874, 76.0039, 31.6854 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 45.2874, 76.0039, 31.6854

Background



This preview shows how black text looks on a background with the XYZ color 45.2874, 76.0039, 31.6854.

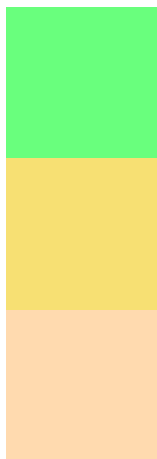


This preview shows how white text looks on a background with the XYZ color 45.2874, 76.0039,

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

45.2874, 76.0039, 31.6854

Protanopia

68.1079, 74.3233, 26.9758

Deuteranopia

74.0493, 74.4980, 51.0342



Tritanopia

62.1421, 75.3376, 105.8741

Trichromacy



Original Color

45.2874, 76.0039, 31.6854



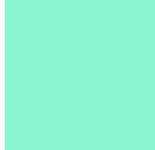
Protanomaly

55.5438, 72.3507, 28.4904



Deuteranomaly

58.4811, 71.8655, 42.6874



Tritanomaly

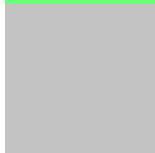
54.0524, 74.5738, 71.2198

Monochromacy



Original Color

45.2874, 76.0039, 31.6854



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

46.9688, 60.2094, 47.1763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2874, 76.0039, 31.6854 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(105, 255, 125)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 125)  
}
```

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(105, 255, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 125) }
```

Border

The CSS property to change the border of an element to XYZ 45.2874, 76.0039, 31.6854 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(105, 255, 125) }
```


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

```
.border{ border-color:rgb(105, 255, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2874, 76.0039, 31.6854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 125) }
```

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

```
.background{ background-color: rgb(105,  
255, 125) }
```

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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