

Converting Colors

XYZ(61.7847, 101.7836,
44.3692)

Have a look what the booklet for
XYZ(61.7847, 101.7836, 44.3692)
contains.

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Color

**XYZ(50.0074, 78.2473,
40.4846)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 80FF94 |
| RGB | 128, 255, 148 |
| RGB Percent | 50%, 100%, 58% |
| CMY | 0.4980, 0.0000, 0.4196 |
| CMYK | 0.50, 0.00, 0.42, 0.00 |
| HSL | 129°, 100%, 75% |
| HSV | 129°, 50%, 100% |
| XYZ | 50.0074, 78.2473, 40.4846 |
| YIQ | 204.8290, -41.3450, -60.2010 |

Conversions

Conversions Part 2

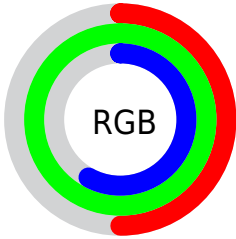
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 128, 238, 255 |
| Decimal | 8454036 |
| CIELab | 90.89, -57.10, 40.48 |
| CIELCh | 91, 69.992, 144.663 |
| Yxy | 78.2473, 0.2964, 0.4637 |
| Android (android.graphics.Color) | 4286644116 (0xFF80FF94) |
| YUV | 204.8290, -28.0167, -67.3790 |
| Hunter-Lab | 88.4575, -53.8898, 34.7848 |

Details

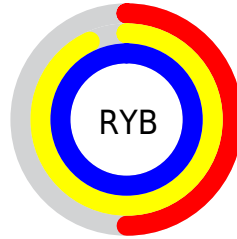
The XYZ color **50.0074, 78.2473, 40.4846** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **63.9545, 42.6968, 83.4666**, and the grayscale version is **58.1108, 61.1371, 66.5783**.

A 20% lighter version of the original color is **67.0330, 86.3966, 69.6431**, and **24.2575, 41.9009, 17.8755** is the 20% darker color. If you saturate the color by 10%, you get **45.0960, 75.8940, 32.1870**, and if you desaturate by 10%, it is **56.1990, 81.2241, 50.4921**.

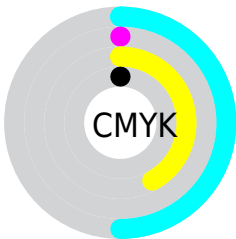
Distribution



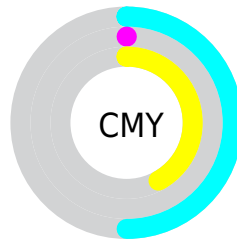
- Red (50%)
- Green (100%)
- Blue (58%)



- Red (50%)
- Yellow (93%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0074, 78.2473, 40.4846 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 50.0074, 78.2473, 40.4846 by changing the saturation by 10% instead.


 50.0074, 78.2473,
40.4846


 50.0074, 78.2473,
40.4846

377.1464,
489.0063, 363.7745


 35.6371, 58.2772,
27.5999


 89.3776, 130.8987,
77.1460

 24.3229, 42.0315,
17.7879


 115.1082,
164.3487, 101.7599

 15.6993, 29.1260,
10.6299

 145.3563,
203.0608, 131.1205

 9.4011, 19.1761,
5.7076

180.4872,
247.4194, 165.6465

 5.0629, 11.7976,
2.6022

220.8663,
297.8088, 205.7563

 2.3194, 6.6060,
0.8936


266.8590,


 0.8046, 3.2170,

354.6135, 251.8686

0.0000


318.8306,
418.2179, 304.4018


 0.0000, 1.2460,
0.0000


 0.0000, 0.0988,
0.0000

 50.0074, 78.2473,
40.4846


 50.0074, 78.2473,
40.4846

 45.0960, 75.8940,
32.1870


 56.1990, 81.2241,
50.4921


 41.3723, 74.1185,
25.4999

 63.7515, 84.8642,
62.2938

 38.7334, 72.8700,
20.3195

 72.7407, 89.2048,
75.9730

 37.0574, 72.0882,
16.5284

 83.2361, 94.2802,
91.6066

■ 36.1593, 71.6804, 95.0500, 100.0000,
13.9898 108.9000

■ 36.1457, 71.6743,
13.9513

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.1061, 78.2473, 23.9273



50.0074, 78.2473, 40.4846



45.4721, 78.2473, 76.4849

Triad

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



50.0074, 78.2473, 40.4846



71.2636, 78.2473, 222.9970



109.6212, 78.2473, 50.7729

Complementary

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



50.0074, 78.2473, 40.4846



63.9545, 42.6968, 83.4666

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.



113.4798, 78.2473, 94.5489



50.0074, 78.2473, 40.4846



89.4304, 78.2473, 207.3590

Square

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



50.0074, 78.2473, 40.4846



56.4403, 78.2473, 191.4487



105.5888, 78.2473, 154.5753



95.7479, 78.2473, 28.0117

Rectangle

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



50.0074, 78.2473, 40.4846



46.1649, 78.2473, 112.2075



105.5888, 78.2473, 154.5753



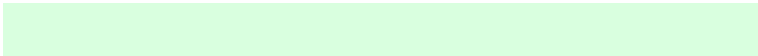
112.2161, 78.2473, 62.9129

Sweetspot

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



50.0079, 78.2475, 40.4859



77.5899, 91.5490, 83.2338



74.2319, 90.9029, 34.0562



16.1426, 19.3705, 17.1214



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.



50.0079, 78.2475, 40.4859



45.0116, 75.8536, 32.0402



56.3639, 80.7899, 73.9563



17.8882, 20.2148, 19.7142



18.9213, 37.4651, 7.4706



1.8743, 3.6607, 0.8961

Inverse Universe

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



63.9545, 42.6968, 83.4666



60.4015, 36.5268, 79.3966



56.4492, 39.6947, 43.9438



18.6625, 18.2483, 22.1059



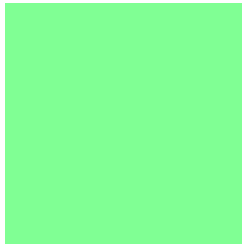
27.9932, 13.6866, 34.9443



2.7572, 1.3452, 3.5687

Previews

White Background



This preview shows how the XYZ color 50.0074, 78.2473, 40.4846 looks on a white background.

Color Contrast Check

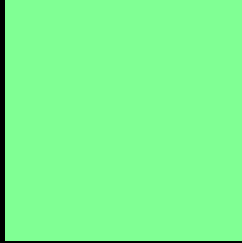
Large Text (above 18pt) WCAG AA × Fail

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 50.0074, 78.2473, 40.4846 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

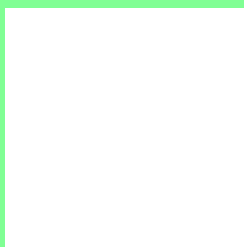
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0074, 78.2473, 40.4846

Background



This preview shows how black text looks on a background with the XYZ color 50.0074, 78.2473, 40.4846.



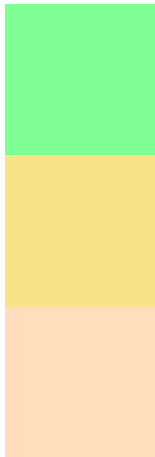
This preview shows how white text looks on a background with the XYZ color 50.0074, 78.2473,

40.4846.

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

50.0074, 78.2473, 40.4846

Protanopia

70.6958, 76.7008, 34.7456

Deuteranopia

76.2818, 76.6470, 58.9180



Tritanopia

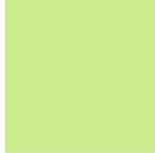
65.9298, 77.7237, 106.1350

Trichromacy



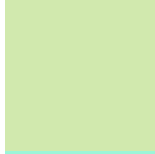
Original Color

50.0074, 78.2473, 40.4846



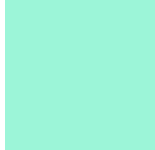
Protanomaly

59.9937, 75.3288, 36.5772



Deuteranomaly

63.0734, 74.8891, 51.1751



Tritanomaly

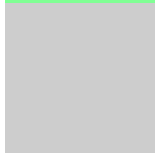
58.7574, 77.3306, 76.7952

Monochromacy



Original Color

50.0074, 78.2473, 40.4846



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.1709, 65.5832, 55.2038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0074, 78.2473, 40.4846 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(128, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 148)  
}
```

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(128, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 148) }
```

Border

The CSS property to change the border of an element to XYZ 50.0074, 78.2473, 40.4846 is called "border". The border property can be set on classes, ids or directly on the HTML element.

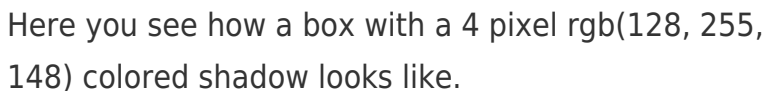
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 255, 148) }
```


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

```
.border{ border-color:rgb(128, 255, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 255, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 255, 148); box-shadow:4px 4px 4px 4px rgb(128, 255, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0074, 78.2473, 40.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 148) }
```

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

```
.background{ background-color: rgb(128,  
255, 148) }
```

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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