

Converting Colors

XYZ(60.5483, 100.0000,
43.9224)

Have a look what the booklet for
XYZ(60.5483, 100.0000, 43.9224)
contains.

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Color

**XYZ(49.5627, 78.0181,
40.4637)**

Conversions

Conversions Part 1

Format	Color
Hex	7DFF94
RGB	125, 255, 148
RGB Percent	49%, 100%, 58%
CMY	0.5098, 0.0000, 0.4196
CMYK	0.51, 0.00, 0.42, 0.00
HSL	131°, 100%, 75%
HSV	131°, 51%, 100%
XYZ	49.5627, 78.0181, 40.4637
YIQ	203.9320, -43.1330, -60.8370

Conversions

Conversions Part 2

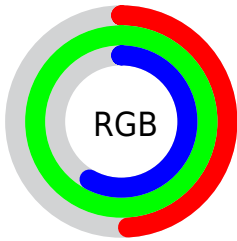
Format	Color
RYB	125, 235, 255
Decimal	8257428
CIELab	90.79, -57.85, 40.33
CIELCh	91, 70.516, 145.119
Yxy	78.0181, 0.2949, 0.4643
Android (android.graphics.Color)	4286447508 (0xFF7DFF94)
YUV	203.9320, -27.5745, -69.2234
Hunter-Lab	88.3279, -54.4135, 34.6683

Details

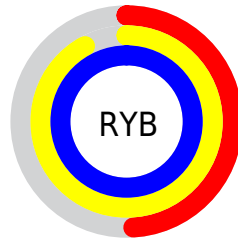
The XYZ color **49.5627, 78.0181, 40.4637** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **63.1390, 41.7536, 81.0741**, and the grayscale version is **57.5396, 60.5362, 65.9239**.

A 20% lighter version of the original color is **66.5471, 86.1461, 69.6204**, and **24.0020, 41.7691, 17.8635** is the 20% darker color. If you saturate the color by 10%, you get **44.7922, 75.7337, 32.3410**, and if you desaturate by 10%, it is **55.5907, 80.9159, 50.2201**.

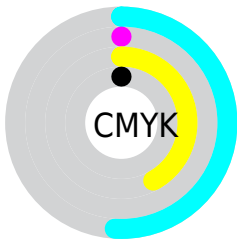
Distribution



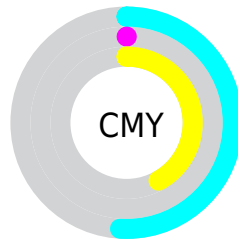
- Red (49%)
- Green (100%)
- Blue (58%)



- Red (49%)
- Yellow (92%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5627, 78.0181, 40.4637 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 49.5627, 78.0181, 40.4637 by changing the saturation by 10% instead.


 49.5627, 78.0181,
40.4637


 49.5627, 78.0181,
40.4637


375.4337,
488.2283, 363.6842

 35.2824, 58.0888,
27.5837


 88.7223, 130.5756,
77.1139

 24.0480, 41.8801,
17.7758


 114.3324,
163.9727, 101.7212

 15.4942, 29.0074,
10.6214


 144.4498,
202.6278, 131.0747

 9.2555, 19.0864,
5.7019

179.4398,
246.9254, 165.5930

 4.9667, 11.7327,
2.5988

219.6678,
297.2499, 205.6945

 2.2623, 6.5620,
0.8919


265.4993,


 0.7753, 3.1897,


353.9856, 251.7979


0.0000


317.2994,
417.5169, 304.3216


 0.0000, 1.2316,
0.0000


 0.0000, 0.0873,
0.0000

 49.5627, 78.0181,
40.4637


 49.5627, 78.0181,
40.4637


 44.7922, 75.7337,
32.3410


 55.5907, 80.9159,
50.2201


 41.1870, 74.0171,
25.7589

 62.9567, 84.4670,
61.6888

 38.6439, 72.8171,
20.6207

 71.7361, 88.7086,
74.9480

 37.0402, 72.0729,
16.8173

 81.9980, 93.6747,
90.0698

■ 36.2360, 71.7104,
14.4263

93.8072, 99.3974,
107.1226

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.



60.6073, 78.0181, 23.6781



49.5627, 78.0181, 40.4637



45.1165, 78.0181, 76.9107

Triad

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



49.5627, 78.0181, 40.4637



71.2915, 78.0181, 224.0298



109.4895, 78.0181, 49.8872

Complementary

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



49.5627, 78.0181, 40.4637



63.1390, 41.7536, 81.0741

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.



113.5577, 78.0181, 93.5275



49.5627, 78.0181, 40.4637



89.5820, 78.0181, 207.5101

Square

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



49.5627, 78.0181, 40.4637



56.3216, 78.0181, 192.8072



105.7720, 78.0181, 153.8842



95.4012, 78.0181, 27.4018

Rectangle

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



49.5627, 78.0181, 40.4637



45.8790, 78.0181, 113.0329



105.7720, 78.0181, 153.8842



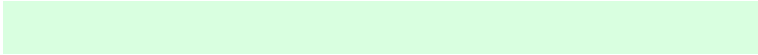
112.1605, 78.0181, 61.9498

Sweetspot

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



49.5631, 78.0183, 40.4649



77.6902, 91.5891, 83.7624



73.1750, 90.3805, 32.9909



16.1665, 19.3801, 17.2470



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.



49.5631, 78.0183, 40.4649



44.7839, 75.7297, 32.3263



56.0593, 80.6167, 74.6733



17.9027, 20.2206, 19.7909



18.9718, 37.4853, 7.7367



1.8814, 3.6635, 0.9331

Inverse Universe

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



63.1390, 41.7536, 81.0741



59.6757, 35.8416, 76.7918



55.6728, 38.7671, 41.7577



18.6466, 18.2420, 22.0221



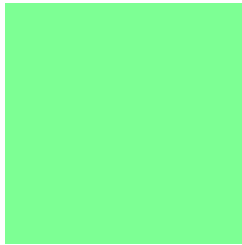
27.6697, 13.5572, 33.2408



2.7286, 1.3338, 3.4183

Previews

White Background



This preview shows how the XYZ color 49.5627, 78.0181, 40.4637 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 49.5627, 78.0181, 40.4637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

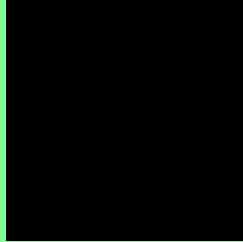
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5627, 78.0181, 40.4637

Background



This preview shows how black text looks on a background with the XYZ color 49.5627, 78.0181, 40.4637.

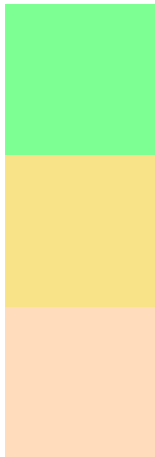


This preview shows how white text looks on a background with the XYZ color 49.5627, 78.0181,

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

49.5627, 78.0181, 40.4637

Protanopia

70.6958, 76.7008, 34.7456

Deuteranopia

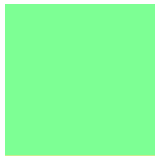
76.1736, 76.6037, 58.3482



Tritanopia

65.4941, 77.4991, 106.1147

Trichromacy



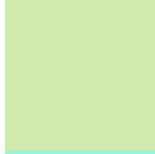
Original Color

49.5627, 78.0181, 40.4637



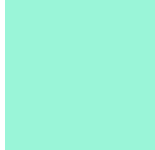
Protanomaly

59.7205, 75.1880, 36.5644



Deuteranomaly

62.6942, 74.7049, 50.6503



Tritanomaly

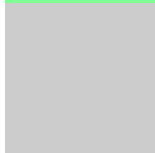
58.3735, 77.1327, 76.7772

Monochromacy



Original Color

49.5627, 78.0181, 40.4637



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.7186, 65.3500, 55.1826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5627, 78.0181, 40.4637 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(125, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(125, 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(125, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 255, 148) }
```

Border

The CSS property to change the border of an element to XYZ 49.5627, 78.0181, 40.4637 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(125, 255, 148) }
```


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

```
.border{ border-color:rgb(125, 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(125, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(125, 255,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5627, 78.0181, 40.4637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 255, 148) }
```

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

```
.background{ background-color: rgb(125,  
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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