

Converting Colors

XYZ(82.1351, 100.0000,
50.7264)

Have a look what the booklet for
XYZ(82.1351, 100.0000, 50.7264)
contains.

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Color

**XYZ(78.4867, 92.7619,
49.3655)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FFA5
RGB	240, 255, 165
RGB Percent	94%, 100%, 65%
CMY	0.0588, 0.0000, 0.3529
CMYK	0.06, 0.00, 0.35, 0.00
HSL	70°, 100%, 82%
HSV	70°, 35%, 100%
XYZ	78.4867, 92.7619, 49.3655
YIQ	240.2550, 19.9500, -31.1700

Conversions

Conversions Part 2

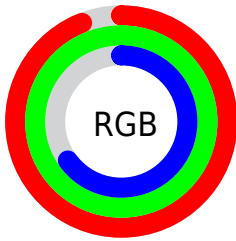
Format	Color
R_{YB}	165, 255, 180
Decimal	15794085
CIE _{Lab}	97.13, -18.54, 41.41
CIE _{LCh}	97, 45.371, 114.124
Yxy	92.7619, 0.3558, 0.4205
Android (android.graphics.Color)	4293984165 (0xFFFF0FFA5)
YUV	240.2550, -37.1007, -0.2236
Hunter-Lab	96.3130, -23.0857, 37.0298

Details

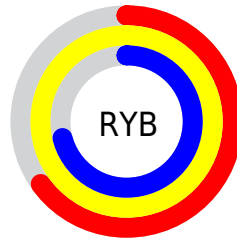
The XYZ color **78.4867, 92.7619, 49.3655** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.3287, 43.8349, 100.4161**, and the grayscale version is **83.2940, 87.6318, 95.4310**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **42.6472, 51.6253, 23.0462** is the 20% darker color. If you saturate the color by 10%, you get **74.9661, 91.1889, 38.2692**, and if you desaturate by 10%, it is **82.5044, 94.5376, 62.9030**.

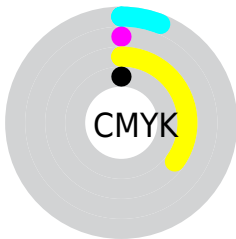
Distribution



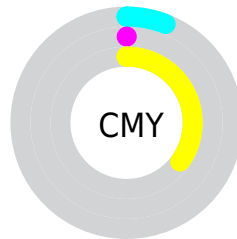
- Red (94%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (71%)



- Cyan (6%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4867, 92.7619, 49.3655 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 78.4867, 92.7619, 49.3655 by changing the saturation by 10% instead.


 78.4867, 92.7619,
49.3655


 78.4867, 92.7619,
49.3655


478.6327,
536.9748, 400.8432

 58.7780, 70.2736,
34.5419


 130.1977,
151.1689, 90.6207

 42.6802, 51.7496,
23.0295


 162.9308,
187.8565, 117.8893

 29.8277, 36.8055,
14.4098


200.7361,
230.0459, 150.1433

 19.8552, 25.0570,
8.2642

243.9789,
278.1216, 187.8012

 12.3975, 16.1195,
4.1743

293.0246,
332.4679, 231.2816

 7.0891, 9.6088,
1.7214

348.2386,

 3.5647, 5.1403,

393.4693, 281.0031

0.3754

409.9862,
461.5101, 337.3841

■ 1.4590, 2.3298,
0.0000

■ 0.2977, 0.7894,
0.0000

■ 78.4867, 92.7619,
49.3655

■ 78.4867, 92.7619,
49.3655

■ 74.9661, 91.1889,
38.2692

■ 82.5044, 94.5376,
62.9030

■ 71.9140, 89.8072,
29.4647

■ 87.0441, 96.5260,
79.0113

■ 69.2997, 88.6045,
22.7920

■ 92.1296, 98.7368,
97.8157

■ 67.0886, 87.5668,
18.0692

95.0500, 100.0000,
108.9000

■ 65.2400, 86.6780,
15.0840

■ 63.7039, 85.9180,
13.5742

■ 63.0554, 85.5913,
13.1974

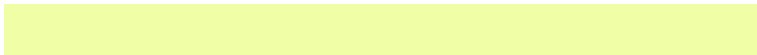
Harmonies

Analogous

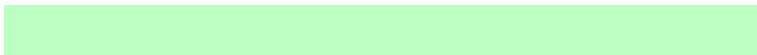
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7111, 92.7619, 45.8622



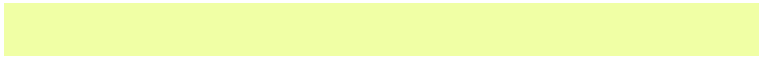
78.4867, 92.7619, 49.3655



69.6918, 92.7619, 65.0718

Triad

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



78.4867, 92.7619, 49.3655



74.5171, 92.7619, 169.5523



114.9839, 92.7619, 108.3911

Complementary

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



78.4867, 92.7619, 49.3655



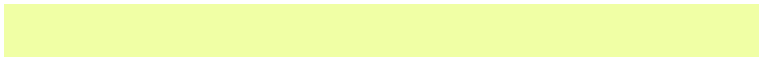
50.3287, 43.8349, 100.4161

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.



109.6498, 92.7619, 148.1932



78.4867, 92.7619, 49.3655



85.6717, 92.7619, 188.5871

Square

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



78.4867, 92.7619, 49.3655



67.5599, 92.7619, 132.6337



98.6131, 92.7619, 179.9503



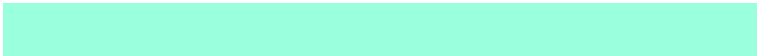
112.5895, 92.7619, 74.8474

Rectangle

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



78.4867, 92.7619, 49.3655



66.5513, 92.7619, 82.9218



98.6131, 92.7619, 179.9503



114.0204, 92.7619, 121.5359

Sweetspot

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



78.4870, 92.7620, 49.3668



89.1591, 97.4474, 86.7469



64.3535, 56.6202, 43.1356



18.9384, 20.7945, 18.0329



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

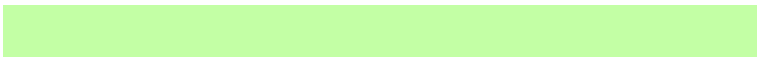
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4870, 92.7620, 49.3668



76.0724, 91.6852, 41.6631



65.0579, 85.8391, 48.7383



19.2465, 20.9285, 19.1695



33.0578, 44.7800, 6.9011



3.2941, 4.3989, 0.6755

Inverse Universe

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



50.3287, 43.8349, 100.4161



44.2978, 36.4485, 99.3083



62.5573, 50.1390, 100.9884



17.2850, 17.5232, 22.7212



10.0233, 4.0777, 49.6934



1.0514, 0.4359, 4.8420

Previews

White Background



This preview shows how the XYZ color 78.4867, 92.7619, 49.3655 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 78.4867, 92.7619, 49.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

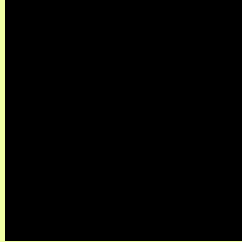
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4867, 92.7619, 49.3655

Background



This preview shows how black text looks on a background with the XYZ color 78.4867, 92.7619, 49.3655.

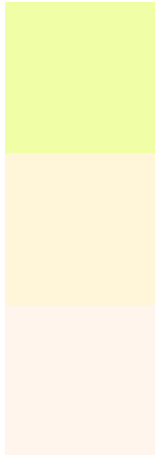


This preview shows how white text looks on a background with the XYZ color 78.4867, 92.7619,

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

78.4867, 92.7619, 49.3655

Protanopia

86.8507, 92.2335, 79.5550

Deuteranopia

89.0327, 92.6209, 92.5420



Tritanopia

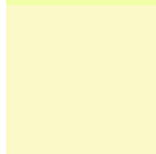
90.1267, 92.8488, 107.7792

Trichromacy



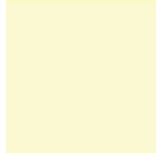
Original Color

78.4867, 92.7619, 49.3655



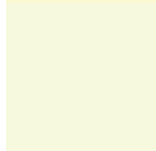
Protanomaly

83.6088, 92.1989, 67.4223



Deuteranomaly

84.9329, 92.7285, 74.3947



Tritanomaly

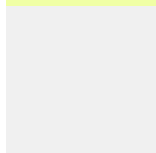
85.0665, 92.6181, 82.5008

Monochromacy



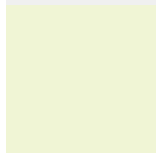
Original Color

78.4867, 92.7619, 49.3655



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.5978, 88.6342, 75.8109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4867, 92.7619, 49.3655 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(240, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 165)  
}
```

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(240, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 165) }
```

Border

The CSS property to change the border of an element to XYZ 78.4867, 92.7619, 49.3655 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(240, 255, 165) }
```


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

```
.border{ border-color:rgb(240, 255, 165) }
```

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

Here you see how a box with a 4 pixel rgb(240, 255, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4867, 92.7619, 49.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 165) }
```

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

```
.background{ background-color: rgb(240,  
255, 165) }
```

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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