

Converting Colors

XYZ(78.4344, 90.8391, 49.9590)

Have a look what the booklet for
XYZ(78.4344, 90.8391, 49.9590)
contains.

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Color

**XYZ(78.4344, 90.8391,
49.9590)**

Conversions

Conversions Part 1

Format	Color
Hex	F3FBA7
RGB	243, 251, 167
RGB Percent	95%, 98%, 65%
CMY	0.0471, 0.0157, 0.3451
CMYK	0.03, 0.00, 0.33, 0.02
HSL	66°, 91%, 82%
HSV	66°, 33%, 98%
XYZ	78.4344, 90.8391, 49.9590
YIQ	239.0320, 22.1960, -27.8200

Conversions

Conversions Part 2

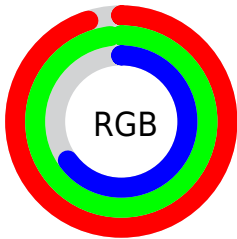
Format	Color
RYB	167, 251, 175
Decimal	15989671
CIELab	96.34, -15.25, 39.44
CIElCh	96, 42.286, 111.147
Yxy	90.8391, 0.3578, 0.4144
Android (android.graphics.Color)	4294179751 (0xFFFF3FBA7)
YUV	239.0320, -35.5118, 3.4799
Hunter-Lab	95.3095, -19.8962, 35.6383

Details

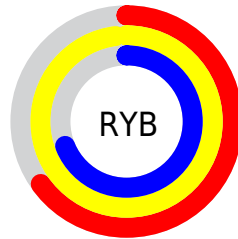
The XYZ color **78.4344, 90.8391, 49.9590** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.9140, 43.7188, 97.1326**, and the grayscale version is **82.3267, 86.6141, 94.3228**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **42.8021, 50.6842, 23.4467** is the 20% darker color. If you saturate the color by 10%, you get **75.5162, 89.5802, 38.8632**, and if you desaturate by 10%, it is **81.8183, 92.2918, 63.4310**.

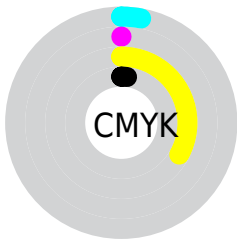
Distribution



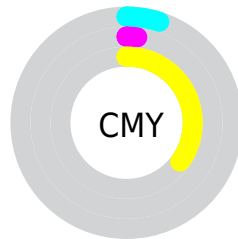
- Red (95%)
- Green (98%)
- Blue (65%)



- Red (65%)
- Yellow (98%)
- Blue (69%)



- Cyan (3%)
- Magenta (0%)
- Yellow (33%)
- Black (2%)





- Cyan (5%)
- Magenta (2%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4344, 90.8391, 49.9590 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 78.4344, 90.8391, 49.9590 by changing the saturation by 10% instead.


 78.4344, 90.8391,
49.9590


 78.4344, 90.8391,
49.9590


478.4581,
530.7566, 403.2361

 58.7349, 68.6768,
35.0099


 130.1244,
148.5034, 91.5098

 42.6453, 50.4485,
23.3869


 162.8457,
184.7742, 118.9486

 29.8002, 35.7699,
14.6714


200.6383,
226.5166, 151.3876

 19.8343, 24.2566,
8.4451

243.8675,
274.1150, 189.2455

 12.3822, 15.5240,
4.2892

292.8987,
327.9538, 232.9407

 7.0786, 9.1880,
1.7853

348.0974,

 3.5581, 4.8640,

388.4174, 282.8919

0.4182

409.8287,
455.8902, 339.5175

■ 1.4553, 2.1677,
0.0000

■ 0.2951, 0.7023,
0.0000

■ 78.4344, 90.8391,
49.9590

■ 78.4344, 90.8391,
49.9590

■ 75.5162, 89.5802,
38.8632

■ 81.8183, 92.2918,
63.4310

■ 73.0307, 88.4925,
30.0001

■ 85.6852, 93.9358,
79.4001

■ 70.9513, 87.5685,
23.2196

■ 90.0598, 95.7842,
97.9859

■ 69.2455, 86.7951,
18.3510

■ 92.9006, 97.0202,
108.4381

67.8757, 86.1573,
15.1964

93.7750, 97.4711,
108.4791

66.7961, 85.6369,
13.5150

93.7892, 97.4783,
108.4797

66.2041, 85.3428,
12.9835

Harmonies

Analogous

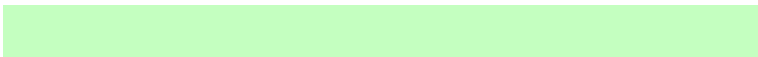
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8679, 90.8391, 47.7163



78.4344, 90.8391, 49.9590



69.8962, 90.8391, 63.5827

Triad

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



78.4344, 90.8391, 49.9590



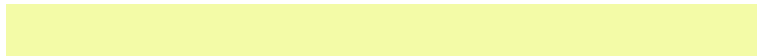
72.9137, 90.8391, 158.4166



110.6727, 90.8391, 109.2166

Complementary

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



78.4344, 90.8391, 49.9590



48.9140, 43.7188, 97.1326

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.



105.1791, 90.8391, 145.3646



78.4344, 90.8391, 49.9590



82.9053, 90.8391, 177.7136

Square

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



78.4344, 90.8391, 49.9590



66.9159, 90.8391, 124.1662



94.7594, 90.8391, 172.4598



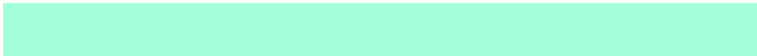
109.1999, 90.8391, 77.3314

Rectangle

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



78.4344, 90.8391, 49.9590



66.6550, 90.8391, 79.4177



94.7594, 90.8391, 172.4598



109.5624, 90.8391, 121.3524

Sweetspot

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



78.4367, 90.8432, 49.9609



90.3243, 98.0071, 88.6520



61.8979, 53.5738, 43.6389



19.2002, 20.9213, 18.4139



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

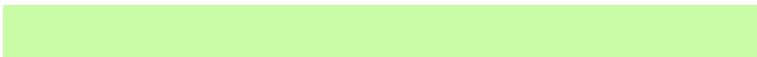
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4367, 90.8432, 49.9609



79.2633, 93.2825, 43.9647



65.8327, 84.3456, 49.3711



18.5547, 20.1017, 18.3645



34.8658, 44.8923, 6.8275



3.2752, 4.1815, 0.6345

Inverse Universe

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



48.9140, 43.7188, 97.1326



44.4885, 37.7596, 99.5513



59.5531, 49.2035, 97.6305



16.4364, 16.7221, 21.7467



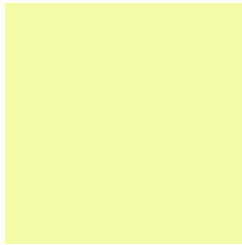
9.4019, 3.7896, 48.2095



0.9207, 0.3767, 4.4674

Previews

White Background



This preview shows how the XYZ color 78.4344, 90.8391, 49.9590 looks on a white background.

Color Contrast Check

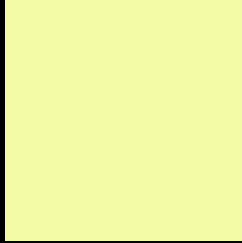
Large Text (above 18pt) WCAG AA × Fail

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 78.4344, 90.8391, 49.9590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

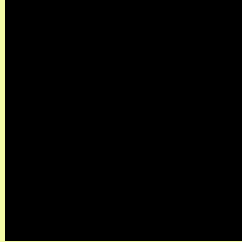
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4344, 90.8391, 49.9590

Background



This preview shows how black text looks on a background with the XYZ color 78.4344, 90.8391, 49.9590.

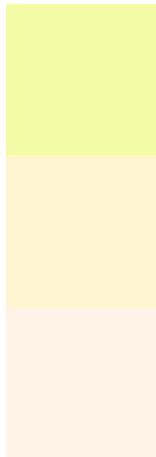


This preview shows how white text looks on a background with the XYZ color 78.4344, 90.8391,

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

78.4344, 90.8391, 49.9590

Protanopia

84.9758, 90.5154, 72.6670

Deuteranopia

87.4159, 90.5338, 88.4688



Tritanopia

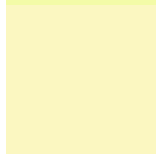
89.6502, 90.8260, 107.4138

Trichromacy



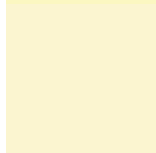
Original Color

78.4344, 90.8391, 49.9590



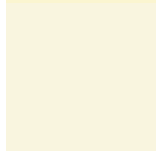
Protanomaly

82.6701, 90.8810, 63.6367



Deuteranomaly

83.8212, 90.3681, 72.6994



Tritanomaly

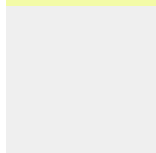
85.0386, 90.7723, 82.8508

Monochromacy



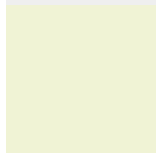
Original Color

78.4344, 90.8391, 49.9590



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

79.9960, 87.4305, 75.6103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4344, 90.8391, 49.9590 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(243, 251, 167)` looks like.

```
.text, #text, p{  
    color:rgb(243, 251, 167)  
}
```

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(243, 251, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 251, 167) }
```

Border

The CSS property to change the border of an element to XYZ 78.4344, 90.8391, 49.9590 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(243, 251, 167) }
```


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

```
.border{ border-color:rgb(243, 251, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 251, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 251, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 251, 167);  
box-shadow:4px 4px 4px 4px rgb(243, 251,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4344, 90.8391, 49.9590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 251, 167) }
```

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

```
.background{ background-color: rgb(243,  
251, 167) }
```

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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