

Converting Colors

XYZ(70.8905, 78.4833, 34.2141)

Have a look what the booklet for
XYZ(70.8905, 78.4833, 34.2141)
contains.

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Color

**XYZ(70.9551, 78.4939,
34.3328)**

Conversions

Conversions Part 1

Format	Color
Hex	F6E787
RGB	246, 231, 135
RGB Percent	96%, 91%, 53%
CMY	0.0353, 0.0941, 0.4706
CMYK	0.00, 0.06, 0.45, 0.04
HSL	52°, 86%, 75%
HSV	52°, 45%, 96%
XYZ	70.9551, 78.4939, 34.3328
YIQ	224.5410, 39.7560, -26.6760

Conversions

Conversions Part 2

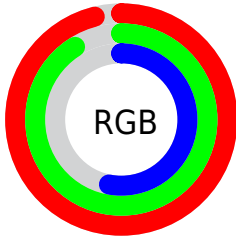
Format	Color
R_{YB}	152, 246, 135
Decimal	16181127
CIE _{Lab}	91.00, -7.65, 48.36
CIE _{LCh}	91, 48.965, 98.988
Yxy	78.4939, 0.3861, 0.4271
Android (android.graphics.Color)	4294371207 (0xFFFF6E787)
YUV	224.5410, -44.1437, 18.8195
Hunter-Lab	88.5968, -12.0879, 39.0418

Details

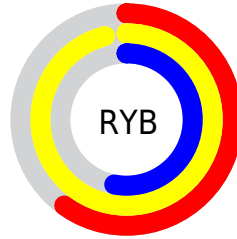
The XYZ color **70.9551, 78.4939, 34.3328** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.5324, 33.6164, 91.6990**, and the grayscale version is **71.5269, 75.2519, 81.9493**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **37.8257, 42.3666, 14.3676** is the 20% darker color. If you saturate the color by 10%, you get **68.4988, 76.0402, 25.9341**, and if you desaturate by 10%, it is **73.8331, 81.1503, 44.8480**.

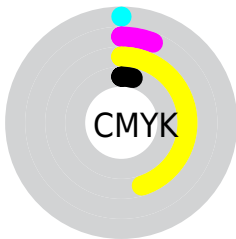
Distribution



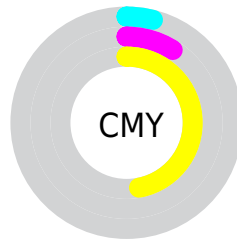
- Red (96%)
- Green (91%)
- Blue (53%)



- Red (60%)
- Yellow (96%)
- Blue (53%)



- Cyan (0%)
- Magenta (6%)
- Yellow (45%)
- Black (4%)





- Cyan (4%)
- Magenta (9%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9551, 78.4939, 34.3328 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 70.9551, 78.4939, 34.3328 by changing the saturation by 10% instead.


 70.9551, 78.4939,
34.3328

 70.9551, 78.4939,
34.3328


453.1107,
489.8426, 336.4278


 52.5880, 58.4798,
22.8700


 119.5887,
131.2461, 67.5907

 37.7001, 42.1945,
14.2931


 150.5858,
164.7530, 90.2228

 25.9262, 29.2536,
8.1837


 186.5236,
203.5264, 117.4150

 16.9008, 19.2728,
4.1233

227.7675,
247.9504, 149.5860

 10.2587, 11.8675,
1.6932

274.6828,
298.4097, 187.1542

 5.6344, 6.6535,
0.3561

327.6349,

 2.6626, 3.2464,

355.2886, 230.5383

0.0000

386.9891,
418.9714, 280.1566

■ 0.9780, 1.2617,
0.0000

■ 0.0000, 0.1112,
0.0000

■ 70.9551, 78.4939,
34.3328

■ 70.9551, 78.4939,
34.3328

■ 68.4988, 76.0402,
25.9341

■ 73.8331, 81.1503,
44.8480

■ 66.4304, 73.7668,
19.4997


■ 77.1523, 84.0087,
57.6079


■ 64.7201, 71.6646,
14.8651


■ 80.9381, 87.0824,
72.7363

■ 63.3311, 69.7188,
11.8369


■ 85.2120, 90.3799,
90.3467


 62.2181, 67.9110,
10.1768

 89.5069, 93.7148,
107.9790

 61.7425, 67.0658,
9.6908

 90.5356, 95.7721,
108.3219

 91.5825, 97.8659,
108.6708

 91.8159, 98.3328,
108.7486

Harmonies

Analogous

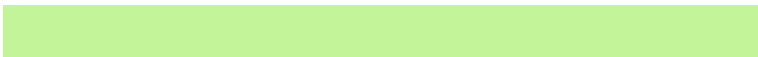
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4542, 78.4939, 36.3807



70.9551, 78.4939, 34.3328



60.6329, 78.4939, 42.7345

Triad

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



70.9551, 78.4939, 34.3328



57.6194, 78.4939, 135.8277



99.0579, 78.4939, 112.2618

Complementary

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



70.9551, 78.4939, 34.3328



37.5324, 33.6164, 91.6990

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.



90.5763, 78.4939, 150.0214



70.9551, 78.4939, 34.3328



66.4066, 78.4939, 166.0296

Square

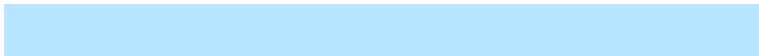
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9551, 78.4939, 34.3328



53.5119, 78.4939, 96.5450



78.3802, 78.4939, 171.8398



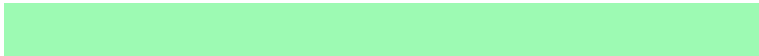
100.6222, 78.4939, 75.2697

Rectangle

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



70.9551, 78.4939, 34.3328



56.0382, 78.4939, 54.9821



78.3802, 78.4939, 171.8398



96.8798, 78.4939, 125.5391

Sweetspot

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



70.9570, 78.4975, 34.3344



88.3066, 94.8720, 80.8830



52.3094, 39.1771, 34.3616



18.6990, 20.1466, 16.4911



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

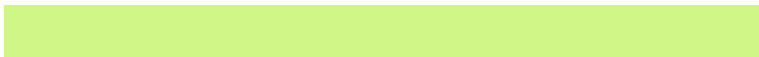
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9570, 78.4975, 34.3344



74.5792, 82.7727, 28.9682



63.1033, 80.9478, 35.2213



17.7126, 18.9094, 17.5139



33.0319, 35.9494, 5.1980



2.9549, 3.2631, 0.4741

Inverse Universe

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



37.5324, 33.6164, 91.6990



34.2166, 28.6030, 98.3253



42.7214, 32.9642, 91.2996



15.7616, 16.2875, 20.8557



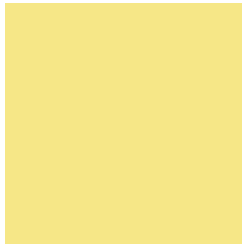
9.2296, 4.2530, 46.8725



0.8664, 0.4841, 4.1380

Previews

White Background



This preview shows how the XYZ color 70.9551, 78.4939, 34.3328 looks on a white background.

Color Contrast Check

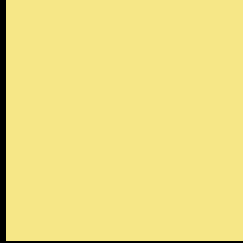
Large Text (above 18pt) WCAG AA × Fail

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 70.9551, 78.4939, 34.3328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

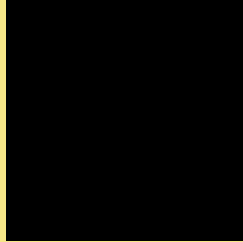
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9551, 78.4939, 34.3328

Background



This preview shows how black text looks on a background with the XYZ color 70.9551, 78.4939, 34.3328.



This preview shows how white text looks on a background with the XYZ color 70.9551, 78.4939,

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

70.9551, 78.4939, 34.3328

Protanopia

72.1060, 78.2691, 33.8613

Deuteranopia

77.1899, 78.2890, 59.7581



Tritanopia

81.9735, 78.5025, 90.1889

Trichromacy

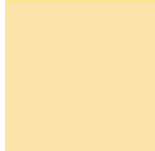


Original Color

70.9551, 78.4939, 34.3328

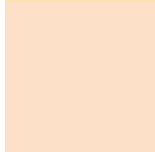
Protanomaly

71.6668, 78.4546, 33.9203



Deuteranomaly

74.8697, 78.5359, 49.2431



Tritanomaly

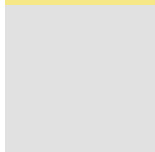
77.1093, 78.1303, 65.0494

Monochromacy



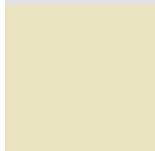
Original Color

70.9551, 78.4939, 34.3328



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

70.5878, 76.0676, 60.8313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9551, 78.4939, 34.3328 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(246, 231, 135)` looks like.

```
.text, #text, p{  
    color:rgb(246, 231, 135)  
}
```

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(246, 231, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 231, 135) }
```

Border

The CSS property to change the border of an element to XYZ 70.9551, 78.4939, 34.3328 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(246, 231, 135) }
```


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

```
.border{ border-color:rgb(246, 231, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 231, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 231, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 231, 135);  
box-shadow:4px 4px 4px 4px rgb(246, 231,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9551, 78.4939, 34.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 231, 135) }
```

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

```
.background{ background-color: rgb(246,  
231, 135) }
```

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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