

Converting Colors

XYZ(76.1824, 88.2387, 38.9242)

Have a look what the booklet for
XYZ(76.1824, 88.2387, 38.9242)
contains.

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Color

**XYZ(76.2247, 88.0975,
38.9737)**

Conversions

Conversions Part 1

Format	Color
Hex	F6F78F
RGB	246, 247, 143
RGB Percent	96%, 97%, 56%
CMY	0.0353, 0.0313, 0.4392
CMYK	0.00, 0.00, 0.42, 0.03
HSL	61°, 87%, 76%
HSV	61°, 42%, 97%
XYZ	76.2247, 88.0975, 38.9737
YIQ	234.8450, 32.7880, -32.5560

Conversions

Conversions Part 2

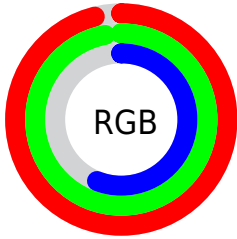
Format	Color
R _Y B	143, 247, 144
Decimal	16185231
CIE Lab	95.20, -14.78, 49.72
CIE LCh	95, 51.874, 106.554
Yxy	88.0975, 0.3749, 0.4333
Android (android.graphics.Color)	4294375311 (0xFFFF6F78F)
YUV	234.8450, -45.2796, 9.7829
Hunter-Lab	93.8603, -19.2941, 41.0831

Details

The XYZ color **76.2247, 88.0975, 38.9737** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.1157, 32.2918, 92.2249**, and the grayscale version is **79.1658, 83.2886, 90.7013**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **41.2153, 48.6912, 16.8989** is the 20% darker color. If you saturate the color by 10%, you get **74.4729, 87.3903, 30.1768**, and if you desaturate by 10%, it is **78.3929, 88.9776, 49.9439**.

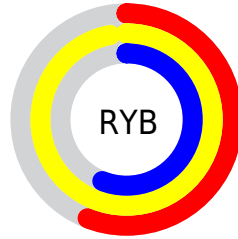
Distribution



Red (96%)

Green (97%)

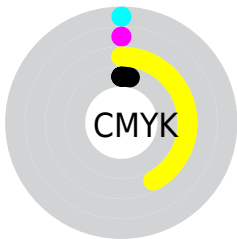
Blue (56%)



Red (56%)

Yellow (97%)

Blue (56%)

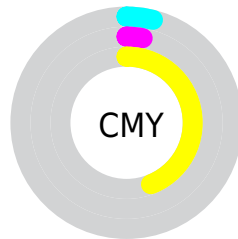


Cyan (0%)

Magenta (0%)

Yellow (42%)

Black (3%)



Cyan (4%)

Magenta (3%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2247, 88.0975, 38.9737 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 76.2247, 88.0975, 38.9737 by changing the saturation by 10% instead.


 76.2247, 88.0975,
38.9737


 76.2247, 88.0975,
38.9737


471.0491,
521.8225, 357.2013

 56.9145, 66.4038,
26.4316


 127.0231,
144.6929, 74.8180

 41.1765, 48.6003,
16.9181


 159.2421,
180.3634, 98.9574

 28.6453, 34.3025,
10.0148


196.4946,
221.4616, 127.7995

 18.9556, 23.1261,
5.3030

239.1462,
268.3720, 161.7630

 11.7420, 14.6866,
2.3643

287.5620,
321.4788, 201.2664

 6.6392, 8.5998,
0.7669

342.1076,

 3.2818, 4.4811,

381.1666, 246.7282

0.0000

403.1481,
447.8197, 298.5670

■ 1.3045, 1.9461,
0.0000

■ 0.1866, 0.5759,
0.0000

■ 76.2247, 88.0975,
38.9737

■ 76.2247, 88.0975,
38.9737

■ 74.4729, 87.3903,
30.1768

■ 78.3929, 88.9776,
49.9439

■ 73.1037, 86.8329,
23.4037


■ 80.9959, 90.0286,
63.2127


■ 72.0887, 86.4172,
18.4949


■ 84.0588, 91.2634,
78.9025

■ 71.3925, 86.1291,
15.2645

■ 87.6029, 92.6908,
97.1254


 70.9726, 85.9515,
13.4884


 89.7394, 93.5551,
107.9359

 70.7850, 85.8689,
12.8436

 89.8238, 93.5987,
107.9399

 89.9084, 93.6423,
107.9438

 89.9931, 93.6859,
107.9478

 90.0779, 93.7296,
107.9518

Harmonies

Analogous

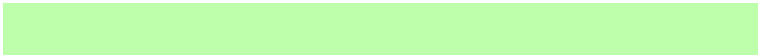
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2161, 88.0975, 38.3773



76.2247, 88.0975, 38.9737



65.5067, 88.0975, 51.7258

Triad

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



76.2247, 88.0975, 38.9737



66.3958, 88.0975, 164.2809



113.0555, 88.0975, 115.1907

Complementary

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



76.2247, 88.0975, 38.9737



38.1157, 32.2918, 92.2249

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.



105.0631, 88.0975, 160.0440



76.2247, 88.0975, 38.9737



77.5702, 88.0975, 193.3218

Square

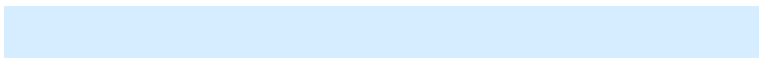
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2247, 88.0975, 38.9737



60.2847, 88.0975, 119.8603



91.7210, 88.0975, 191.5834



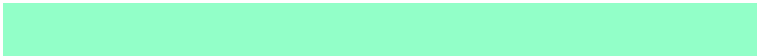
112.5900, 88.0975, 75.4061

Rectangle

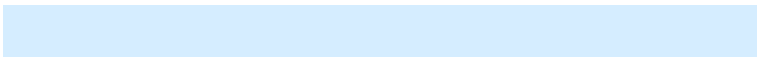
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2247, 88.0975, 38.9737



61.1871, 88.0975, 68.1595



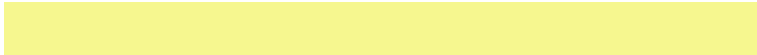
91.7210, 88.0975, 191.5834



111.2337, 88.0975, 130.3568

Sweetspot

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



76.2268, 88.1015, 38.9755



90.0468, 97.9851, 83.1689



53.1411, 41.4044, 31.1788



19.1107, 20.9072, 16.9658



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.



76.2268, 88.1015, 38.9755



80.2369, 94.0214, 33.3043



60.7278, 80.1115, 38.2502



17.8979, 19.3049, 17.5805



37.4412, 45.4145, 6.7925



3.2957, 3.9941, 0.5972

Inverse Universe

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



38.1157, 32.2918, 92.2249



34.0123, 26.3261, 97.8965



49.1193, 37.9644, 92.7399



15.5960, 15.9344, 20.7962



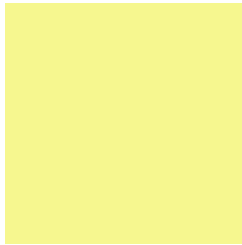
8.9014, 3.5632, 46.7566



0.7875, 0.3158, 4.1097

Previews

White Background



This preview shows how the XYZ color 76.2247, 88.0975, 38.9737 looks on a white background.

Color Contrast Check

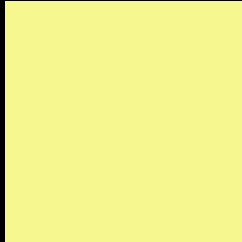
Large Text (above 18pt) WCAG AA × Fail

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 76.2247, 88.0975, 38.9737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

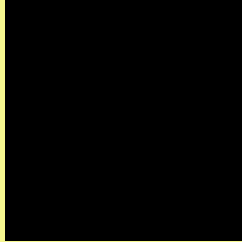
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.2247, 88.0975, 38.9737

Background



This preview shows how black text looks on a background with the XYZ color 76.2247, 88.0975, 38.9737.

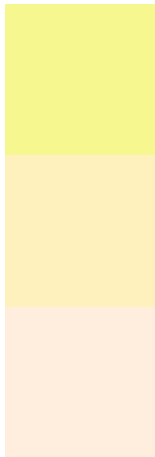


This preview shows how white text looks on a background with the XYZ color 76.2247, 88.0975,

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

76.2247, 88.0975, 38.9737

Protanopia

81.9896, 87.8883, 61.3580

Deuteranopia

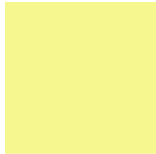
84.9994, 87.6830, 81.5518



Tritanopia

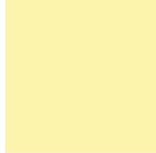
88.4908, 88.1530, 102.7938

Trichromacy



Original Color

76.2247, 88.0975, 38.9737



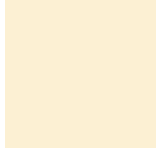
Protanomaly

79.7383, 87.8138, 52.2823



Deuteranomaly

81.2258, 87.4563, 63.0518



Tritanomaly

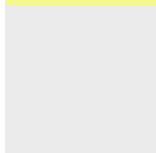
83.0628, 87.7188, 74.1816

Monochromacy



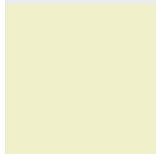
Original Color

76.2247, 88.0975, 38.9737



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

77.1238, 84.3480, 68.0930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2247, 88.0975, 38.9737 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, 247, 143)` looks like.

```
.text, #text, p{  
    color:rgb(246, 247, 143)  
}
```

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, 247, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 247, 143) }
```

Border

The CSS property to change the border of an element to XYZ 76.2247, 88.0975, 38.9737 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, 247, 143) }
```


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

```
.border{ border-color:rgb(246, 247, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 247, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 247, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 247, 143);  
box-shadow:4px 4px 4px 4px rgb(246, 247,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2247, 88.0975, 38.9737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 247, 143) }
```

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

```
.background{ background-color: rgb(246,  
247, 143) }
```

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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