

Converting Colors

XYZ(78.6017, 88.2430, 38.2464)

Have a look what the booklet for
XYZ(78.6017, 88.2430, 38.2464)
contains.

XYZ(78.7001, 88.4879, 38.1312)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.7001, 88.4879,
38.1312)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF58D
RGB	255, 245, 141
RGB Percent	100%, 96%, 55%
CMY	0.0000, 0.0392, 0.4470
CMYK	0.00, 0.04, 0.45, 0.00
HSL	55°, 100%, 78%
HSV	55°, 45%, 100%
XYZ	78.7001, 88.4879, 38.1312
YIQ	236.1340, 39.3440, -30.2240

Conversions

Conversions Part 2

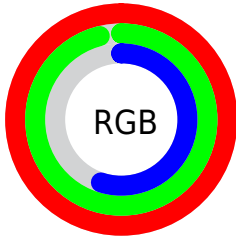
Format	Color
R_{YB}	152, 255, 141
Decimal	16774541
CIE _{Lab}	95.37, -10.51, 51.04
CIE _{LCh}	95, 52.108, 101.638
Yxy	88.4879, 0.3833, 0.4310
Android (android.graphics.Color)	4294964621 (0xFFFFF58D)
YUV	236.1340, -46.9011, 16.5455
Hunter-Lab	94.0680, -15.2806, 41.8139

Details

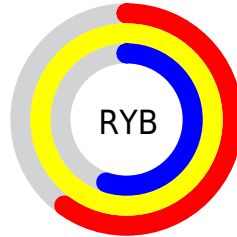
The XYZ color **78.7001, 88.4879, 38.1312** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.1009, 35.0148, 99.2525**, and the grayscale version is **80.1603, 84.3349, 91.8407**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **42.7240, 48.8355, 16.4069** is the 20% darker color. If you saturate the color by 10%, you get **76.3456, 86.4738, 29.0391**, and if you desaturate by 10%, it is **81.5039, 90.7013, 49.5301**.

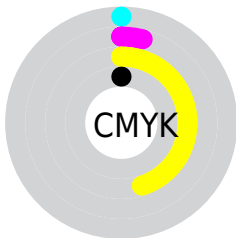
Distribution



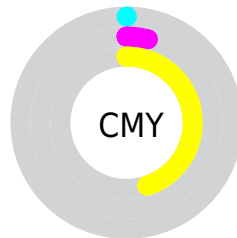
- Red (100%)
- Green (96%)
- Blue (55%)



- Red (60%)
- Yellow (100%)
- Blue (55%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.7001, 88.4879, 38.1312 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 78.7001, 88.4879, 38.1312 by changing the saturation by 10% instead.


 78.7001, 88.4879,
38.1312


 78.7001, 88.4879,
38.1312


479.3447,
523.0997, 353.4975

 58.9540, 66.7272,
25.7819


 130.4967,
145.2362, 73.5148

 42.8224, 48.8630,
16.4363


 163.2780,
180.9926, 97.3863

 29.9397, 34.5108,
9.6757


201.1351,
222.1831, 125.9355

 19.9406, 23.2863,
5.0817

244.4333,
269.1920, 159.5811

 12.4599, 14.8050,
2.2357

293.5380,
322.4037, 198.7415

 7.1321, 8.6827,
0.6949

348.8146,

 3.5919, 4.5348,

382.2026, 243.8354

0.0000

410.6284,
448.9731, 295.2812

■ 1.4740, 1.9770,
0.0000

■ 0.3080, 0.5940,
0.0000

■ 78.7001, 88.4879,
38.1312

■ 78.7001, 88.4879,
38.1312

■ 76.3456, 86.4738,
29.0391

■ 81.5039, 90.7013,
49.5301

■ 74.4036, 84.6344,
22.0881

■ 84.7780, 93.1127,
63.3751

■ 72.8418, 82.9602,
17.0996

■ 88.5500, 95.7364,
79.8009

■ 71.6204, 81.4350,
13.8634

■ 92.8433, 98.5818,
98.9310

■ 70.6903, 80.0392, 95.0499, 99.9999,
12.1213 108.9000

■ 70.2788, 79.3377,
11.6096

Harmonies

Analogous

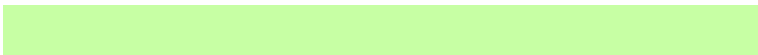
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0319, 88.4879, 39.4294



78.7001, 88.4879, 38.1312



67.1879, 88.4879, 48.8103

Triad

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



78.7001, 88.4879, 38.1312



65.2510, 88.4879, 158.4287



112.8702, 88.4879, 123.2322

Complementary

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



78.7001, 88.4879, 38.1312



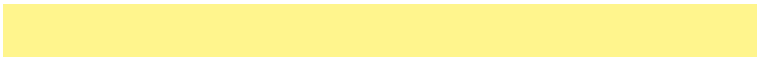
40.1009, 35.0148, 99.2525

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.



103.6473, 88.4879, 167.6667



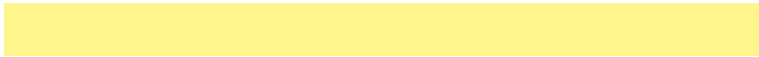
78.7001, 88.4879, 38.1312



75.7684, 88.4879, 191.6175

Square

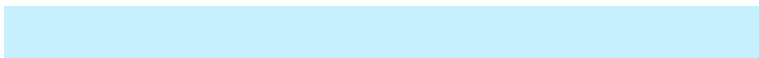
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7001, 88.4879, 38.1312



60.0297, 88.4879, 113.0538



89.7521, 88.4879, 195.4083



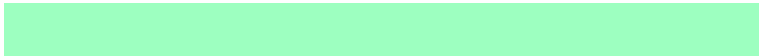
113.8850, 88.4879, 81.3752

Rectangle

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



78.7001, 88.4879, 38.1312



62.2323, 88.4879, 63.6824



89.7521, 88.4879, 195.4083



110.5824, 88.4879, 138.6221

Sweetspot

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



78.7022, 88.4920, 38.1330



89.2447, 96.2058, 82.8678



56.4657, 42.5908, 35.1237



18.9102, 20.4622, 16.8905



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

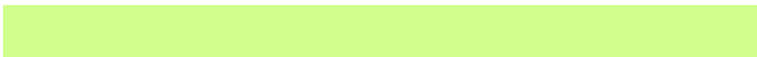
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7022, 88.4920, 38.1330



76.4980, 86.6102, 29.6078



66.9759, 87.0569, 38.4741



19.4170, 20.8022, 19.1362



36.7787, 41.5686, 6.0851



3.6193, 4.1241, 0.6053

Inverse Universe

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



40.1009, 35.0148, 99.2525



33.3257, 26.8211, 98.0283



47.9714, 36.7852, 99.1794



17.1310, 17.6336, 22.7507



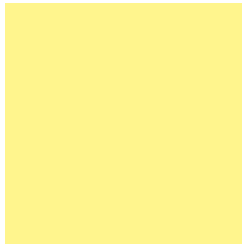
9.6283, 4.1663, 49.7313



0.9790, 0.4886, 4.8560

Previews

White Background



This preview shows how the XYZ color 78.7001, 88.4879, 38.1312 looks on a white background.

Color Contrast Check

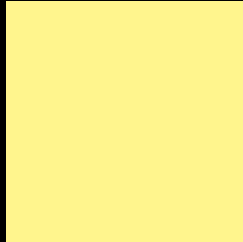
Large Text (above 18pt) WCAG AA × Fail

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 78.7001, 88.4879, 38.1312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

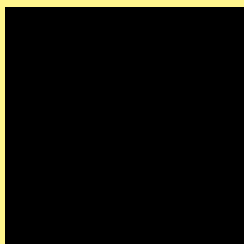
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.7001, 88.4879, 38.1312

Background



This preview shows how black text looks on a background with the XYZ color 78.7001, 88.4879, 38.1312.

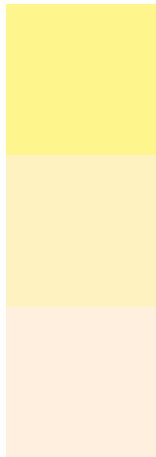


This preview shows how white text looks on a background with the XYZ color 78.7001, 88.4879,

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

78.7001, 88.4879, 38.1312

Protanopia

82.6178, 88.6145, 63.2020

Deuteranopia

85.4258, 88.3207, 82.3572



Tritanopia

88.1587, 88.4822, 99.6211

Trichromacy



Original Color

78.7001, 88.4879, 38.1312



Protanomaly

80.9306, 88.4172, 52.8451



Deuteranomaly

82.3209, 88.0208, 63.1030



Tritanomaly

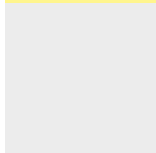
83.7853, 88.1342, 72.2702

Monochromacy



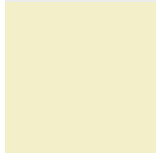
Original Color

78.7001, 88.4879, 38.1312



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

78.3713, 85.0047, 67.5353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7001, 88.4879, 38.1312 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(255, 245, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 141)  
}
```

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(255, 245, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 141) }
```

Border

The CSS property to change the border of an element to XYZ 78.7001, 88.4879, 38.1312 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(255, 245, 141) }
```


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

```
.border{ border-color:rgb(255, 245, 141) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 141);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7001, 88.4879, 38.1312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 141) }
```

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

```
.background{ background-color: rgb(255,  
245, 141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor