

Converting Colors

XYZ(77.8125, 88.2901, 41.7855)

Have a look what the booklet for
XYZ(77.8125, 88.2901, 41.7855)
contains.

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Color

**XYZ(77.8851, 88.4375,
41.8193)**

Conversions

Conversions Part 1

Format	Color
Hex	FAF696
RGB	250, 246, 150
RGB Percent	98%, 96%, 59%
CMY	0.0196, 0.0353, 0.4118
CMYK	0.00, 0.02, 0.40, 0.02
HSL	58°, 91%, 78%
HSV	58°, 40%, 98%
XYZ	77.8851, 88.4375, 41.8193
YIQ	236.2520, 33.2000, -29.0080

Conversions

Conversions Part 2

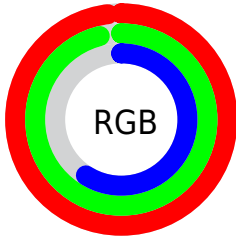
Format	Color
RYB	154, 250, 150
Decimal	16447126
CIELab	95.34, -12.05, 46.59
CIELCh	95, 48.127, 104.496
Yxy	88.4375, 0.3742, 0.4249
Android (android.graphics.Color)	4294637206 (0xFFFAF696)
YUV	236.2520, -42.5222, 12.0570
Hunter-Lab	94.0412, -16.7381, 39.4631

Details

The XYZ color **77.8851, 88.4375, 41.8193** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.3884, 36.4963, 95.3055**, and the grayscale version is **80.2217, 84.3994, 91.9110**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **42.3094, 48.8964, 18.5173** is the 20% darker color. If you saturate the color by 10%, you get **75.7810, 87.1144, 32.2236**, and if you desaturate by 10%, it is **80.4247, 89.9437, 53.6809**.

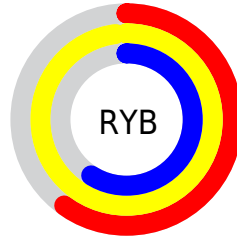
Distribution



Red (98%)

Green (96%)

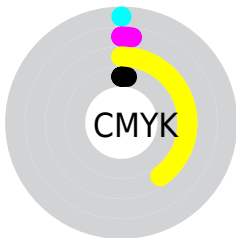
Blue (59%)



Red (60%)

Yellow (98%)

Blue (59%)

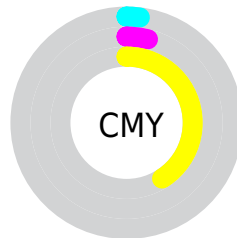


Cyan (0%)

Magenta (2%)

Yellow (40%)

Black (2%)



Cyan (2%)


Magenta (4%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.8851, 88.4375, 41.8193 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 77.8851, 88.4375, 41.8193 by changing the saturation by 10% instead.


 77.8851, 88.4375,
41.8193


 77.8851, 88.4375,
41.8193


476.6223,
522.9349, 369.5109

 58.2821, 66.6855,
28.6353


 129.3544,
145.1661, 79.1932

 42.2796, 48.8290,
18.5619


 161.9513,
180.9114, 104.2202

 29.5123, 34.4839,
11.1806


199.6102,
222.0900, 134.0320

 19.6150, 23.2656,
6.0727

242.6965,
269.0862, 169.0470

 12.2221, 14.7897,
2.8198

291.5755,
322.2843, 209.6839

 6.9684, 8.6719,
1.0034

346.6126,

 3.4885, 4.5278,

382.0689, 256.3611

0.0000

408.1730,
448.8243, 309.4973

■ 1.4170, 1.9730,
0.0000

■ 0.2683, 0.5917,
0.0000

■ 77.8851, 88.4375,
41.8193

■ 77.8851, 88.4375,
41.8193

■ 75.7810, 87.1144,
32.2236

■ 80.4247, 89.9437,
53.6809

■ 74.0783, 85.9513,
24.7432

■ 83.4183, 91.6310,
67.9352

■ 72.7484, 84.9400,
19.2179

■ 86.8914, 93.5127,
84.7062

■ 71.7561, 84.0663,
15.4624

■ 90.8656, 95.5975,
104.1077

■ 71.0594, 83.3134,
13.2557

■ 91.9710, 96.5373,
108.3939

■ 70.5892, 82.6537,
12.2334

■ 92.2837, 97.1627,
108.4982

■ 70.5891, 82.6536,
12.2333

■ 92.5980, 97.7915,
108.6029

■ 92.9140, 98.4235,
108.7083

■ 93.2317, 99.0588,
108.8142

Harmonies

Analogous

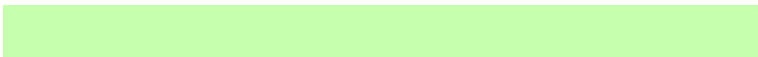
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9995, 88.4375, 42.0087



77.8851, 88.4375, 41.8193



67.5508, 88.4375, 53.3225

Triad

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



77.8851, 88.4375, 41.8193



67.2792, 88.4375, 156.4903



110.8546, 88.4375, 116.9783

Complementary

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



77.8851, 88.4375, 41.8193



41.3884, 36.4963, 95.3055

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.



103.0547, 88.4375, 157.7392



77.8851, 88.4375, 41.8193



77.4773, 88.4375, 184.2944

Square

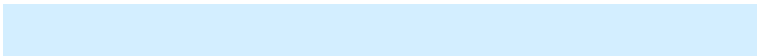
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8851, 88.4375, 41.8193



61.8749, 88.4375, 115.5823



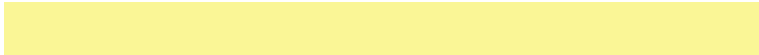
90.5470, 88.4375, 184.8034



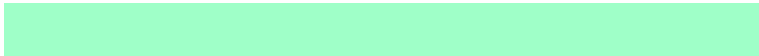
110.9932, 88.4375, 79.2795

Rectangle

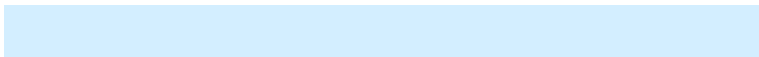
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8851, 88.4375, 41.8193



63.2374, 88.4375, 68.3556



90.5470, 88.4375, 184.8034



109.0082, 88.4375, 130.9631

Sweetspot

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



77.8873, 88.4415, 41.8211



90.1203, 97.4063, 84.8572



56.2477, 44.5042, 36.6371



19.1844, 20.7925, 17.6544



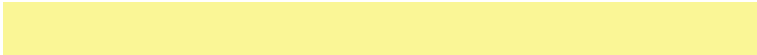
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

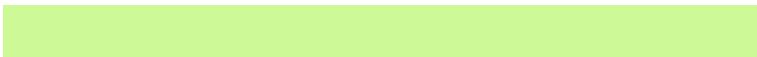
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8873, 88.4415, 41.8211



79.6664, 91.3832, 35.4855



64.8680, 83.5525, 41.5637



18.6645, 20.0648, 18.3516



37.4692, 43.8951, 6.4978



3.4883, 4.1014, 0.6078

Inverse Universe

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



41.3884, 36.4963, 95.3055



36.6750, 30.2044, 98.5048



50.6681, 40.3180, 95.5540



16.3386, 16.7540, 21.7580



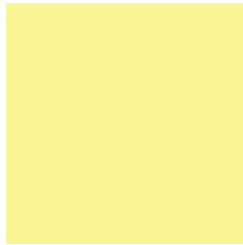
9.2346, 3.8247, 48.2251



0.8742, 0.3921, 4.4728

Previews

White Background



This preview shows how the XYZ color 77.8851, 88.4375, 41.8193 looks on a white background.

Color Contrast Check

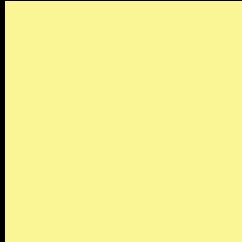
Large Text (above 18pt) WCAG AA × Fail

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 77.8851, 88.4375, 41.8193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

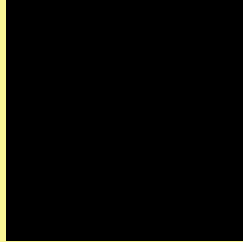
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8851, 88.4375, 41.8193

Background



This preview shows how black text looks on a background with the XYZ color 77.8851, 88.4375, 41.8193.

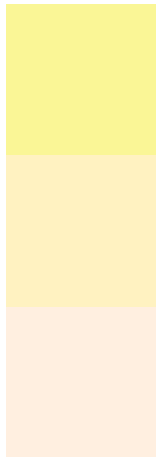


This preview shows how white text looks on a background with the XYZ color 77.8851, 88.4375,

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

77.8851, 88.4375, 41.8193

Protanopia

82.6178, 88.6145, 63.2020

Deuteranopia

85.5610, 88.3748, 83.0695



Tritanopia

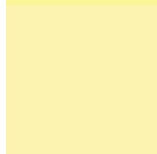
88.3343, 88.0905, 101.9700

Trichromacy



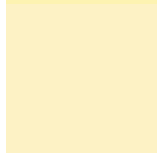
Original Color

77.8851, 88.4375, 41.8193



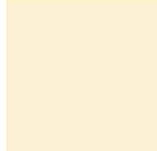
Protanomaly

80.4944, 88.1582, 54.3687



Deuteranomaly

82.3382, 88.4181, 65.5500



Tritanomaly

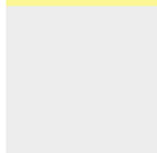
83.6783, 88.0069, 75.5275

Monochromacy



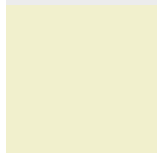
Original Color

77.8851, 88.4375, 41.8193



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

78.4552, 85.4287, 70.1120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8851, 88.4375, 41.8193 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(250, 246, 150)` looks like.

```
.text, #text, p{  
    color:rgb(250, 246, 150)  
}
```

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(250, 246, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 246, 150) }
```

Border

The CSS property to change the border of an element to XYZ 77.8851, 88.4375, 41.8193 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(250, 246, 150) }
```


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

```
.border{ border-color:rgb(250, 246, 150) }
```

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

Here you see how a box with a 4 pixel rgb(250, 246, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 246, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 246, 150);  
box-shadow:4px 4px 4px 4px rgb(250, 246,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8851, 88.4375, 41.8193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 246, 150) }
```

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

```
.background{ background-color: rgb(250,  
246, 150) }
```

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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