

Converting Colors

XYZ(78.6876, 88.9702, 41.8807)

Have a look what the booklet for
XYZ(78.6876, 88.9702, 41.8807)
contains.

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Color

**XYZ(78.6057, 88.8090,
41.8530)**

Conversions

Conversions Part 1

Format	Color
Hex	FCF696
RGB	252, 246, 150
RGB Percent	99%, 96%, 59%
CMY	0.0118, 0.0353, 0.4118
CMYK	0.00, 0.02, 0.40, 0.01
HSL	56°, 94%, 79%
HSV	56°, 40%, 99%
XYZ	78.6057, 88.8090, 41.8530
YIQ	236.8500, 34.3920, -28.5840

Conversions

Conversions Part 2

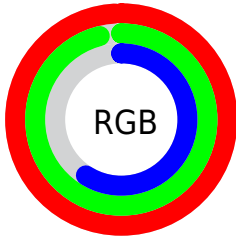
Format	Color
RYB	156, 252, 150
Decimal	16578198
CIELab	95.50, -11.28, 46.82
CIELCh	96, 48.163, 103.544
Yxy	88.8090, 0.3756, 0.4244
Android (android.graphics.Color)	4294768278 (0xFFFCF696)
YUV	236.8500, -42.8170, 13.2866
Hunter-Lab	94.2385, -16.0280, 39.6352

Details

The XYZ color **78.6057, 88.8090, 41.8530** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.0367, 37.2882, 97.0772**, and the grayscale version is **80.6833, 84.8851, 92.4399**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **42.8193, 49.1593, 18.5411** is the 20% darker color. If you saturate the color by 10%, you get **76.3431, 87.1893, 32.1415**, and if you desaturate by 10%, it is **81.3127, 90.6185, 53.8674**.

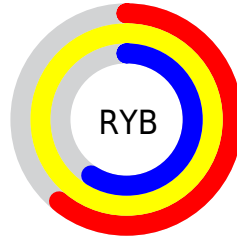
Distribution



Red (99%)

Green (96%)

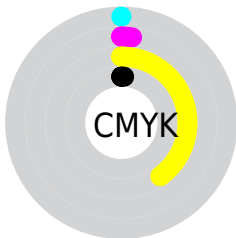
Blue (59%)



Red (61%)

Yellow (99%)

Blue (59%)

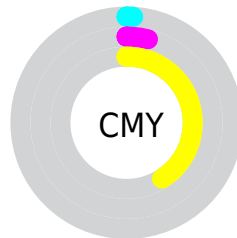


Cyan (0%)

Magenta (2%)

Yellow (40%)

Black (1%)



Cyan (1%)


Magenta (4%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6057, 88.8090, 41.8530 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 78.6057, 88.8090, 41.8530 by changing the saturation by 10% instead.


 78.6057, 88.8090,
41.8530


 78.6057, 88.8090,
41.8530


479.0298,
524.1489, 369.6549

 58.8762, 66.9933,
28.6615


 130.3645,
145.6829, 79.2448

 42.7594, 49.0792,
18.5815


 163.1244,
181.5099, 104.2821

 29.8901, 34.6823,
11.1945


200.9586,
222.7761, 134.1052

 19.9029, 23.4182,
6.0820

244.2323,
269.8659, 169.1325

 12.4323, 14.9026,
2.8254

293.3110,
323.1637, 209.7826

 7.1131, 8.7511,
1.0062

348.5598,

 3.5799, 4.5792,

383.0538, 256.4740

0.0000

410.3443,
449.9208, 309.6252

■ 1.4673, 2.0025,
0.0000

■ 0.3034, 0.6089,
0.0000

■ 78.6057, 88.8090,
41.8530

■ 78.6057, 88.8090,
41.8530

■ 76.3431, 87.1893,
32.1415

■ 81.3127, 90.6185,
53.8674

■ 74.4900, 85.7360,
24.5787

■ 84.4832, 92.6161,
68.3146

■ 73.0171, 84.4405,
19.0001

■ 88.1431, 94.8152,
85.3215

■ 71.8882, 83.2882,
15.2155

■ 92.3147, 97.2247,
105.0045

71.0601, 82.2620,
12.9972

93.4499, 98.4254,
108.6804

70.4848, 81.3752,
11.9920

93.9202, 99.3660,
108.8372

93.9549, 99.4354,
108.8487

Harmonies

Analogous

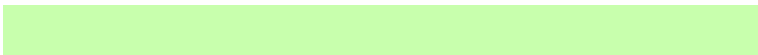
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8053, 88.8090, 42.4025



78.6057, 88.8090, 41.8530



68.1069, 88.8090, 53.0046

Triad

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



78.6057, 88.8090, 41.8530



67.3194, 88.8090, 155.9054



111.1620, 88.8090, 118.7826

Complementary

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



78.6057, 88.8090, 41.8530



42.0367, 37.2882, 97.0772

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.



103.1276, 88.8090, 159.5251



78.6057, 88.8090, 41.8530



77.4234, 88.8090, 184.4878

Square

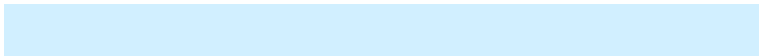
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6057, 88.8090, 41.8530



62.0643, 88.8090, 114.7363



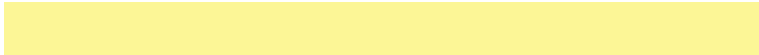
90.4938, 88.8090, 185.9627



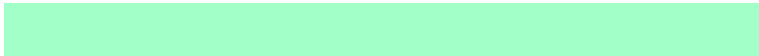
111.5636, 88.8090, 80.6567

Rectangle

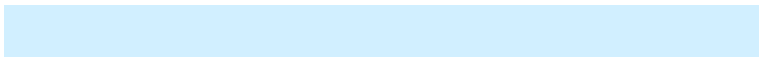
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6057, 88.8090, 41.8530



63.6681, 88.8090, 67.7980



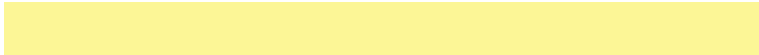
90.4938, 88.8090, 185.9627



109.2292, 88.8090, 132.8261

Sweetspot

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



78.6079, 88.8131, 41.8548



89.9379, 97.0417, 84.7964



57.1206, 44.9366, 37.4730



19.1412, 20.7060, 17.6400



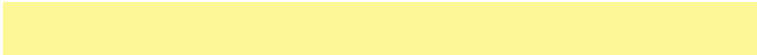
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

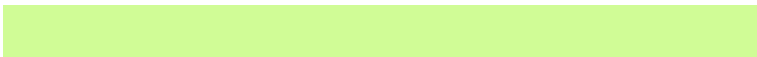
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6079, 88.8131, 41.8548



78.7349, 89.7976, 34.3196



66.2722, 85.2040, 41.8084



18.6349, 20.0057, 18.3417



36.7552, 42.4670, 6.2598



3.4300, 3.9848, 0.5884

Inverse Universe

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



42.0367, 37.2882, 97.0772



36.2651, 29.9728, 98.4817



50.7774, 40.3378, 97.2052



16.3649, 16.8066, 21.7668



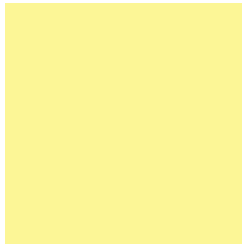
9.2735, 3.9025, 48.2380



0.8867, 0.4171, 4.4770

Previews

White Background



This preview shows how the XYZ color 78.6057, 88.8090, 41.8530 looks on a white background.

Color Contrast Check

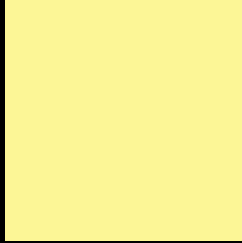
Large Text (above 18pt) WCAG AA × Fail

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 78.6057, 88.8090, 41.8530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

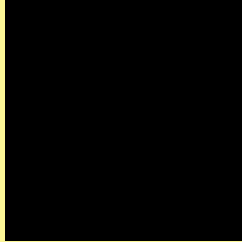
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.6057, 88.8090, 41.8530

Background



This preview shows how black text looks on a background with the XYZ color 78.6057, 88.8090, 41.8530.

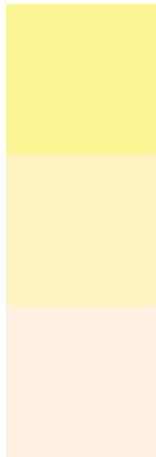


This preview shows how white text looks on a background with the XYZ color 78.6057, 88.8090,

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

78.6057, 88.8090, 41.8530

Protanopia

82.8425, 88.7044, 64.3852

Deuteranopia

85.6971, 88.4292, 83.7860



Tritanopia

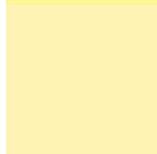
88.4675, 88.6057, 101.2468

Trichromacy



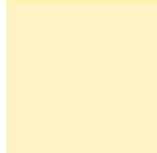
Original Color

78.6057, 88.8090, 41.8530



Protanomaly

81.0603, 88.4267, 55.4435



Deuteranomaly

82.8182, 88.6523, 66.1727



Tritanomaly

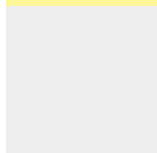
83.9168, 88.1445, 74.8780

Monochromacy



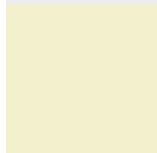
Original Color

78.6057, 88.8090, 41.8530



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.7975, 85.6052, 70.1280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6057, 88.8090, 41.8530 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(252, 246, 150)` looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 246, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 246, 150) }
```

Border

The CSS property to change the border of an element to XYZ 78.6057, 88.8090, 41.8530 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(252, 246, 150) }
```


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

```
.border{ border-color:rgb(252, 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(252, 246, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 246, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 246, 150);  
box-shadow:4px 4px 4px 4px rgb(252, 246,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6057, 88.8090, 41.8530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 246, 150) }
```

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

```
.background{ background-color: rgb(252,  
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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