

Converting Colors

XYZ(78.5193, 86.6190, 42.7177)

Have a look what the booklet for
XYZ(78.5193, 86.6190, 42.7177)
contains.

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Color

**XYZ(78.4451, 86.4705,
42.6930)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF199
RGB	255, 241, 153
RGB Percent	100%, 95%, 60%
CMY	0.0000, 0.0549, 0.4000
CMYK	0.00, 0.05, 0.40, 0.00
HSL	52°, 100%, 80%
HSV	52°, 40%, 100%
XYZ	78.4451, 86.4705, 42.6930
YIQ	235.1540, 36.5920, -24.4000

Conversions

Conversions Part 2

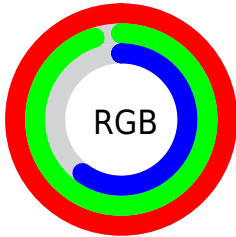
Format	Color
R _Y B	169, 255, 153
Decimal	16773529
CIE Lab	94.51, -7.34, 44.16
CIE LCh	95, 44.762, 99.442
Yxy	86.4705, 0.3779, 0.4165
Android (android.graphics.Color)	4294963609 (0xFFFFFFFF199)
YUV	235.1540, -40.5019, 17.4049
Hunter-Lab	92.9895, -12.1507, 37.8717

Details

The XYZ color **78.4451, 86.4705, 42.6930** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.0054, 41.6286, 100.2708**, and the grayscale version is **79.3642, 83.4973, 90.9285**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **42.6752, 47.4883, 18.9735** is the 20% darker color. If you saturate the color by 10%, you get **75.5351, 83.6685, 32.4194**, and if you desaturate by 10%, it is **81.8293, 89.5003, 55.3470**.

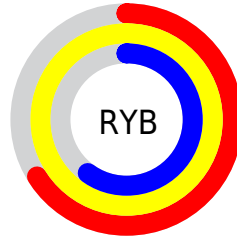
Distribution



Red (100%)

Green (95%)

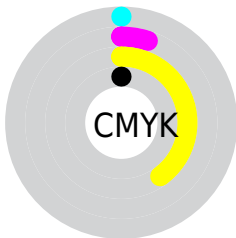
Blue (60%)



Red (66%)

Yellow (100%)

Blue (60%)

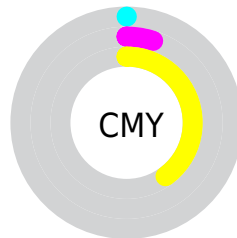


Cyan (0%)

Magenta (5%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4451, 86.4705, 42.6930 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 78.4451, 86.4705, 42.6930 by changing the saturation by 10% instead.


 78.4451, 86.4705,
42.6930


 78.4451, 86.4705,
42.6930


478.4938,
516.4814, 373.2318

 58.7437, 65.0571,
29.3147


 130.1394,
142.4259, 80.5288

 42.6524, 47.5074,
19.0714


 162.8631,
177.7367, 105.8233

 29.8058, 33.4369,
11.5445


200.6583,
218.4487, 135.9270

 19.8386, 22.4614,
6.3156

243.8903,
264.9463, 171.2584

 12.3854, 14.1963,
2.9660

292.9245,
317.6141, 212.2360

 7.0808, 8.2573,
1.0773

348.1263,

 3.5594, 4.2600,

376.8362, 259.2784

0.0000

409.8609,
442.9972, 312.8042

■ 1.4560, 1.8201,
0.0000

■ 0.2956, 0.4996,
0.0000

■ 78.4451, 86.4705,
42.6930

■ 78.4451, 86.4705,
42.6930

■ 75.5351, 83.6685,
32.4194

■ 81.8293, 89.5003,
55.3470

■ 73.0640, 81.0705,
24.3684

■ 85.7079, 92.7567,
70.5150

■ 71.0013, 78.6674,
18.3716

■ 90.1074, 96.2536,
88.3269

■ 69.3102, 76.4442,
14.2344

95.0500, 100.0000,
108.9000

■ 67.9462, 74.3830,
11.7246

■ 66.8374, 72.4547,
10.4625

■ 66.8373, 72.4545,
10.4624

Harmonies

Analogous

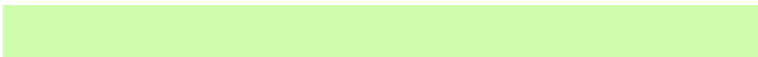
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5950, 86.4705, 44.6868



78.4451, 86.4705, 42.6930



68.3297, 86.4705, 51.6427

Triad

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



78.4451, 86.4705, 42.6930



65.5619, 86.4705, 142.9106



105.8458, 86.4705, 119.4276

Complementary

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



78.4451, 86.4705, 42.6930



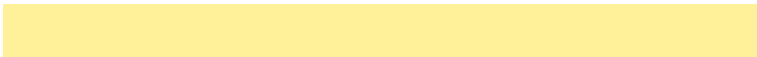
45.0054, 41.6286, 100.2708

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.



97.8030, 86.4705, 155.2541



78.4451, 86.4705, 42.6930



74.3171, 86.4705, 170.9482

Square

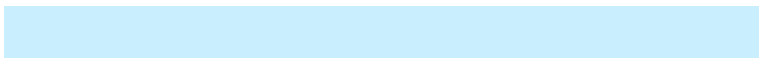
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4451, 86.4705, 42.6930



61.3856, 86.4705, 105.4618



86.0473, 86.4705, 175.9473



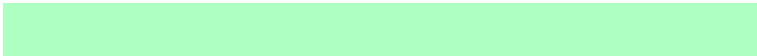
107.2268, 86.4705, 83.6806

Rectangle

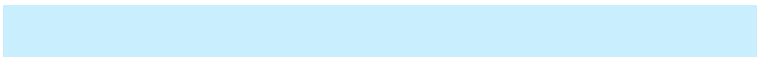
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4451, 86.4705, 42.6930



63.8073, 86.4705, 64.2851



86.0473, 86.4705, 175.9473



103.7967, 86.4705, 132.0767

Sweetspot

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



78.4472, 86.4745, 42.6948



89.1842, 95.5342, 84.5452



59.7278, 46.8818, 43.0947



18.9626, 20.3489, 17.5804



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

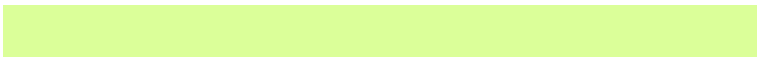
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4472, 86.4745, 42.6948



76.0810, 84.2123, 34.2904



70.8140, 88.9268, 43.5705



19.3362, 20.6406, 19.1092



35.0060, 38.0233, 5.4942



3.4645, 3.8144, 0.5536

Inverse Universe

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



45.0054, 41.6286, 100.2708



38.4695, 33.7934, 99.1030



50.3540, 40.7841, 99.8259



17.2039, 17.7795, 22.7750



9.8062, 4.5220, 49.7906



1.0132, 0.5572, 4.8674

Previews

White Background



This preview shows how the XYZ color 78.4451, 86.4705, 42.6930 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 78.4451, 86.4705, 42.6930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

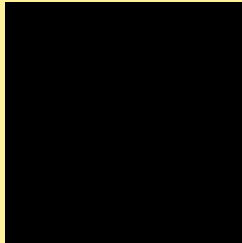
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4451, 86.4705, 42.6930

Background



This preview shows how black text looks on a background with the XYZ color 78.4451, 86.4705, 42.6930.



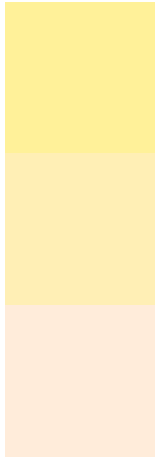
This preview shows how white text looks on a background with the XYZ color 78.4451, 86.4705,

42.6930.

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

78.4451, 86.4705, 42.6930

Protanopia

80.4470, 86.3292, 56.1393

Deuteranopia

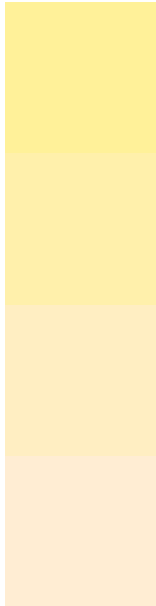
83.8903, 86.3129, 78.5682



Tritanopia

86.9920, 86.6373, 97.7257

Trichromacy



Original Color

78.4451, 86.4705, 42.6930

Protanomaly

79.7508, 86.5205, 51.0249

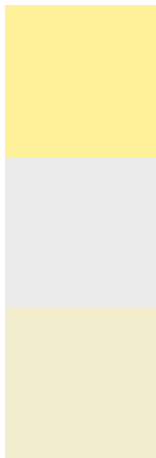
Deuteranomaly

81.5521, 86.3041, 63.3990

Tritanomaly

83.2821, 86.5315, 73.9408

Monochromacy



Original Color

78.4451, 86.4705, 42.6930

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

77.9216, 83.8534, 69.8360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4451, 86.4705, 42.6930 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, 241, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 153)  
}
```

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, 241, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 153) }
```

Border

The CSS property to change the border of an element to XYZ 78.4451, 86.4705, 42.6930 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, 241, 153) }
```


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

```
.border{ border-color:rgb(255, 241, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4451, 86.4705, 42.6930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 153) }
```

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

```
.background{ background-color: rgb(255,  
241, 153) }
```

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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