

Converting Colors

XYZ(103.9367, 100.0000,
40.6842)

Have a look what the booklet for
XYZ(103.9367, 100.0000, 40.6842)
contains.

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Color

**XYZ(78.1030, 86.8086,
39.4273)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF291
RGB	255, 242, 145
RGB Percent	100%, 95%, 57%
CMY	0.0000, 0.0510, 0.4314
CMYK	0.00, 0.05, 0.43, 0.00
HSL	53°, 100%, 78%
HSV	53°, 43%, 100%
XYZ	78.1030, 86.8086, 39.4273
YIQ	234.8290, 38.8850, -27.4110

Conversions

Conversions Part 2

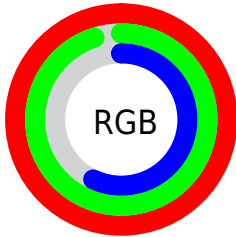
Format	Color
R _Y B	160, 255, 145
Decimal	16773777
CIE Lab	94.66, -8.65, 48.24
CIE LCh	95, 49.004, 100.162
Yxy	86.8086, 0.3822, 0.4248
Android (android.graphics.Color)	4294963857 (0xFFFFF291)
YUV	234.8290, -44.2857, 17.6900
Hunter-Lab	93.1711, -13.4175, 40.1300

Details

The XYZ color **78.1030, 86.8086, 39.4273** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.9537, 37.6924, 99.6718**, and the grayscale version is **79.1430, 83.2646, 90.6752**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **42.5166, 47.7608, 17.1031** is the 20% darker color. If you saturate the color by 10%, you get **75.4649, 84.3338, 29.9121**, and if you desaturate by 10%, it is **81.2014, 89.4975, 51.2750**.

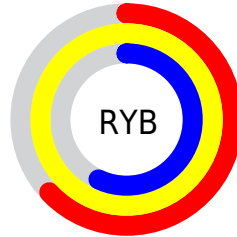
Distribution



Red (100%)

Green (95%)

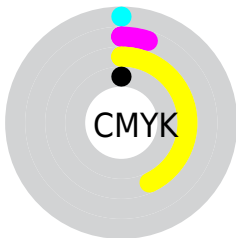
Blue (57%)



Red (63%)

Yellow (100%)

Blue (57%)

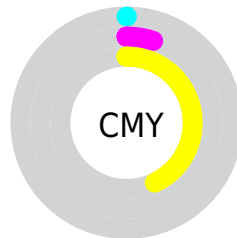


Cyan (0%)

Magenta (5%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1030, 86.8086, 39.4273 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 78.1030, 86.8086, 39.4273 by changing the saturation by 10% instead.


 78.1030, 86.8086,
39.4273


 78.1030, 86.8086,
39.4273

477.3510,
517.5937, 359.1838

 58.4617, 65.3368,
26.7819


 129.6599,
142.8973, 75.5182

 42.4246, 47.7343,
17.1785


 162.3062,
178.2831, 99.8007

 29.6265, 33.6165,
10.1985


200.0182,
219.0756, 128.7994

 19.7019, 22.5991,
5.4235

243.1612,
265.6593, 162.9328

 12.2855, 14.2978,
2.4348

292.1007,
318.4186, 202.6194

 7.0120, 8.3281,
0.8053

347.2019,

 3.5160, 4.3056,

377.7378, 248.2777

0.0000

408.8302,
444.0014, 300.3264

■ 1.4322, 1.8459,
0.0000

■ 0.2790, 0.5156,
0.0000

■ 78.1030, 86.8086,
39.4273

■ 78.1030, 86.8086,
39.4273

■ 75.4649, 84.3338,
29.9121

■ 81.2014, 89.4975,
51.2750

■ 73.2508, 82.0489,
22.5666

■ 84.7810, 92.3995,
65.5926

■ 71.4292, 79.9444,
17.2157

■ 88.8689, 95.5286,
82.5133

■ 69.9612, 78.0046,
13.6548

■ 93.4883, 98.8943,
102.1590

■ 68.7994, 76.2106, 95.0500, 100.0000,
11.6352 108.9000

■ 68.1323, 75.0446,
10.8941

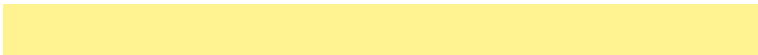
Harmonies

Analogous

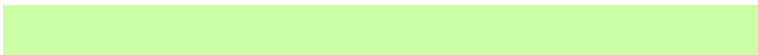
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4437, 86.8086, 41.2292



78.1030, 86.8086, 39.4273



67.1701, 86.8086, 49.0704

Triad

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



78.1030, 86.8086, 39.4273



64.5601, 86.8086, 149.7041



108.8171, 86.8086, 121.4534

Complementary

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



78.1030, 86.8086, 39.4273



41.9537, 37.6924, 99.6718

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.



100.0215, 86.8086, 161.8205



78.1030, 86.8086, 39.4273



74.1761, 86.8086, 180.9155

Square

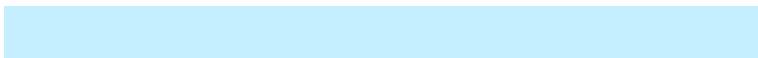
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1030, 86.8086, 39.4273



59.9231, 86.8086, 107.9608



87.0776, 86.8086, 185.8616



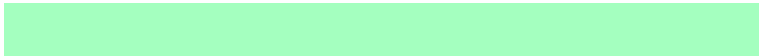
110.1577, 86.8086, 82.2434

Rectangle

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



78.1030, 86.8086, 39.4273



62.3569, 86.8086, 62.7159



87.0776, 86.8086, 185.8616



106.5930, 86.8086, 135.5858

Sweetspot

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



78.1051, 86.8126, 39.4291



88.9282, 95.5729, 82.7623



57.6820, 44.0381, 38.5661



18.8312, 20.3043, 16.8641



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

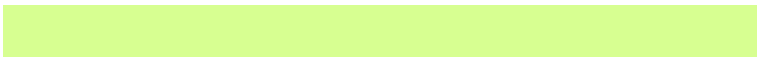
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1051, 86.8126, 39.4291



75.7429, 84.6054, 30.8810



68.7978, 87.9612, 40.1413



19.3673, 20.7027, 19.1196



35.6733, 39.3579, 5.7167



3.5230, 3.9313, 0.5731

Inverse Universe

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



41.9537, 37.6924, 99.6718



35.2304, 29.5820, 98.4608



48.2643, 37.8276, 99.3654



17.1758, 17.7232, 22.7656



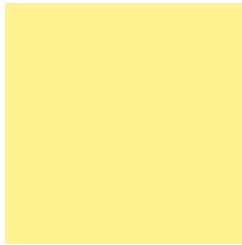
9.7299, 4.3693, 49.7651



1.0000, 0.5308, 4.8630

Previews

White Background



This preview shows how the XYZ color 78.1030, 86.8086, 39.4273 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 78.1030, 86.8086, 39.4273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

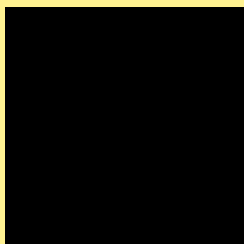
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.1030, 86.8086, 39.4273

Background



This preview shows how black text looks on a background with the XYZ color 78.1030, 86.8086, 39.4273.

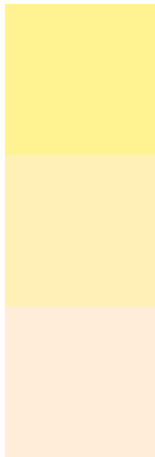


This preview shows how white text looks on a background with the XYZ color 78.1030, 86.8086,

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

78.1030, 86.8086, 39.4273

Protanopia

80.8436, 86.9576, 56.7795

Deuteranopia

84.1791, 86.8903, 78.6645



Tritanopia

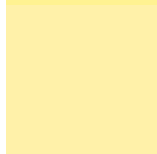
86.9920, 86.6373, 97.7257

Trichromacy



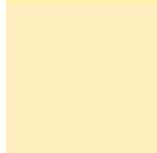
Original Color

78.1030, 86.8086, 39.4273



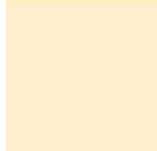
Protanomaly

79.8567, 87.0352, 50.1267



Deuteranomaly

81.5105, 86.7546, 61.7395



Tritanomaly

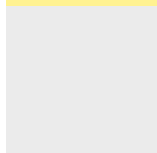
82.9094, 86.3824, 71.9782

Monochromacy



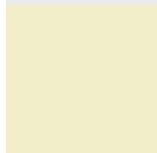
Original Color

78.1030, 86.8086, 39.4273



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

77.8532, 84.2906, 68.0435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1030, 86.8086, 39.4273 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, 242, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 145)  
}
```

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, 242, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 145) }
```

Border

The CSS property to change the border of an element to XYZ 78.1030, 86.8086, 39.4273 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, 242, 145) }
```


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

```
.border{ border-color:rgb(255, 242, 145) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1030, 86.8086, 39.4273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 145) }
```

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

```
.background{ background-color: rgb(255,  
242, 145) }
```

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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