

Converting Colors

XYZ(78.6986, 87.6246, 40.7827)

Have a look what the booklet for
XYZ(78.6986, 87.6246, 40.7827)
contains.

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Color

**XYZ(78.6359, 87.4993,
40.7615)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF394
RGB	255, 243, 148
RGB Percent	100%, 95%, 58%
CMY	0.0000, 0.0470, 0.4196
CMYK	0.00, 0.05, 0.42, 0.00
HSL	53°, 100%, 79%
HSV	53°, 42%, 100%
XYZ	78.6359, 87.4993, 40.7615
YIQ	235.7580, 37.6470, -27.0010

Conversions

Conversions Part 2

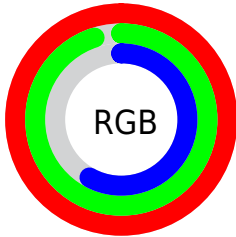
Format	Color
R _Y B	162, 255, 148
Decimal	16774036
CIE Lab	94.95, -8.84, 47.15
CIE LCh	95, 47.972, 100.625
Yxy	87.4993, 0.3801, 0.4229
Android (android.graphics.Color)	4294964116 (0xFFFFF394)
YUV	235.7580, -43.2647, 16.8752
Hunter-Lab	93.5411, -13.6397, 39.6425

Details

The XYZ color **78.6359, 87.4993, 40.7615** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.8334, 38.6564, 99.8115**, and the grayscale version is **79.8459, 84.0041, 91.4805**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **42.8618, 48.2372, 17.8781** is the 20% darker color. If you saturate the color by 10%, you get **75.9878, 85.0852, 30.9942**, and if you desaturate by 10%, it is **81.7462, 90.1260, 52.8783**.

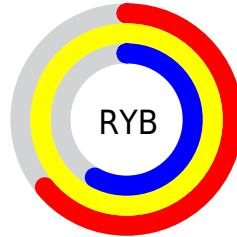
Distribution



Red (100%)

Green (95%)

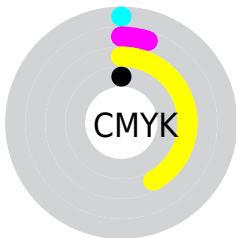
Blue (58%)



Red (64%)

Yellow (100%)

Blue (58%)

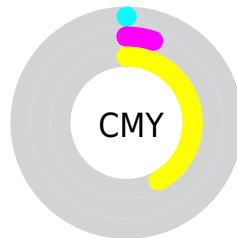


Cyan (0%)

Magenta (5%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6359, 87.4993, 40.7615 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 78.6359, 87.4993, 40.7615 by changing the saturation by 10% instead.


 78.6359, 87.4993,
40.7615


 78.6359, 87.4993,
40.7615


479.1306,
519.8622, 364.9699

 58.9011, 65.9085,
27.8145


 130.4068,
143.8599, 77.5714

 42.7796, 48.1981,
17.9480


 163.1736,
179.3984, 102.2714

 29.9060, 33.9838,
10.7436


201.0151,
220.3550, 131.7262

 19.9149, 22.8812,
5.7827

244.2966,
267.1140, 166.3542

 12.4411, 14.5058,
2.6468

293.3836,
320.0598, 206.5740

 7.1192, 8.4733,
0.9165

348.6414,

 3.5837, 4.3992,

379.5769, 252.8042

0.0000

410.4352,
446.0495, 305.4634

■ 1.4695, 1.8993,
0.0000

■ 0.3049, 0.5480,
0.0000

■ 78.6359, 87.4993,
40.7615

■ 78.6359, 87.4993,
40.7615

■ 75.9878, 85.0852,
30.9942

■ 81.7462, 90.1260,
52.8783

■ 73.7660, 82.8596,
23.4156

■ 85.3393, 92.9640,
67.4805

■ 71.9394, 80.8132,
17.8531

■ 89.4419, 96.0273,
84.7001

■ 70.4698, 78.9306,
14.1060

■ 94.0772, 99.3253,
104.6581

■ 69.3113, 77.1934, 95.0500, 100.0000,
11.9323 108.9000

■ 68.5498, 75.8798,
11.0333

Harmonies

Analogous

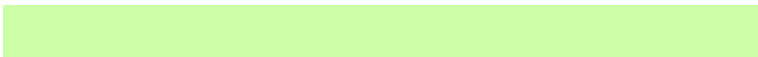
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7478, 87.4993, 42.3899



78.6359, 87.4993, 40.7615



67.9113, 87.4993, 50.5678

Triad

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



78.6359, 87.4993, 40.7615



65.5794, 87.4993, 149.9753



109.0801, 87.4993, 121.0842

Complementary

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



78.6359, 87.4993, 40.7615



42.8334, 38.6564, 99.8115

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.



100.5482, 87.4993, 160.6855



78.6359, 87.4993, 40.7615



75.1357, 87.4993, 180.1469

Square

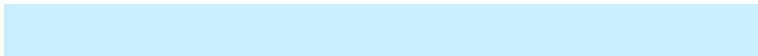
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6359, 87.4993, 40.7615



60.9127, 87.4993, 109.1075



87.8657, 87.4993, 184.5100



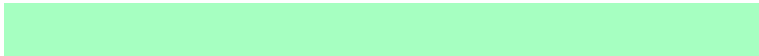
110.2686, 87.4993, 82.6583

Rectangle

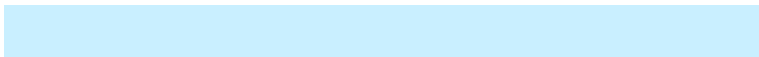
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6359, 87.4993, 40.7615



63.2069, 87.4993, 64.2602



87.8657, 87.4993, 184.5100



106.9369, 87.4993, 134.9337

Sweetspot

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



78.6380, 87.5033, 40.7633



88.9908, 95.6980, 82.7831



58.2181, 44.9958, 39.0976



18.8468, 20.3355, 16.8693



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

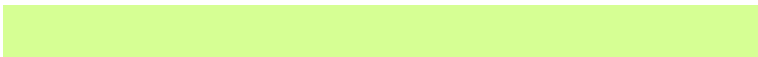
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6380, 87.5033, 40.7633



76.4725, 85.5436, 32.7310



68.8325, 87.9519, 41.3667



19.3771, 20.7224, 19.1229



35.8885, 39.7881, 5.7884



3.5418, 3.9689, 0.5794

Inverse Universe

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



42.8334, 38.6564, 99.8115



36.5191, 31.0545, 98.6771



49.6312, 39.2219, 99.5624



17.1669, 17.7054, 22.7626



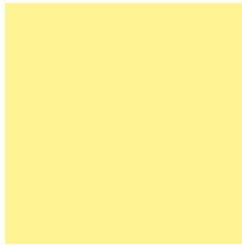
9.7078, 4.3251, 49.7578



0.9959, 0.5224, 4.8616

Previews

White Background



This preview shows how the XYZ color 78.6359, 87.4993, 40.7615 looks on a white background.

Color Contrast Check

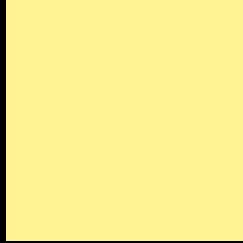
Large Text (above 18pt) WCAG AA × Fail

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 78.6359, 87.4993, 40.7615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

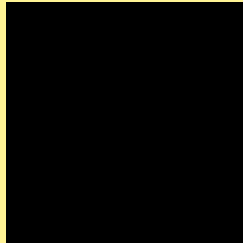
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.6359, 87.4993, 40.7615

Background



This preview shows how black text looks on a background with the XYZ color 78.6359, 87.4993, 40.7615.



This preview shows how white text looks on a background with the XYZ color 78.6359, 87.4993,

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

78.6359, 87.4993, 40.7615

Protanopia

81.3697, 87.1680, 59.5502

Deuteranopia

84.8657, 87.6295, 80.8479



Tritanopia

87.4298, 87.2692, 98.6228

Trichromacy



Original Color

78.6359, 87.4993, 40.7615



Protanomaly

80.2381, 87.1877, 52.1351



Deuteranomaly

82.1377, 87.4752, 63.5942



Tritanomaly

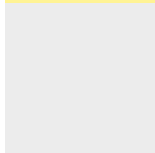
83.4474, 87.0622, 73.3793

Monochromacy



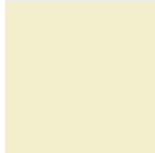
Original Color

78.6359, 87.4993, 40.7615



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

78.7277, 85.1473, 69.4124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6359, 87.4993, 40.7615 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, 243, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 148)  
}
```

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, 243, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 148) }
```

Border

The CSS property to change the border of an element to XYZ 78.6359, 87.4993, 40.7615 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, 243, 148) }
```


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

```
.border{ border-color:rgb(255, 243, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6359, 87.4993, 40.7615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 148) }
```

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

```
.background{ background-color: rgb(255,  
243, 148) }
```

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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