

Converting Colors

XYZ(87.1208, 106.4938,
41.9429)

Have a look what the booklet for
XYZ(87.1208, 106.4938, 41.9429)
contains.

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Color

**XYZ(80.8628, 94.1986,
39.9068)**

Conversions

Conversions Part 1

Format	Color
Hex	FCFF8F
RGB	252, 255, 143
RGB Percent	99%, 100%, 56%
CMY	0.0118, 0.0000, 0.4392
CMYK	0.01, 0.00, 0.44, 0.00
HSL	62°, 100%, 78%
HSV	62°, 44%, 100%
XYZ	80.8628, 94.1986, 39.9068
YIQ	241.3350, 34.1640, -35.4680

Conversions

Conversions Part 2

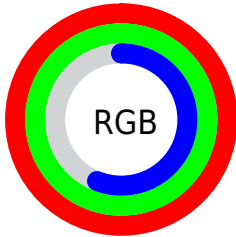
Format	Color
RYB	143, 255, 146
Decimal	16580495
CIELab	97.71, -16.36, 52.93
CIElCh	98, 55.398, 107.178
Yxy	94.1986, 0.3762, 0.4382
Android (android.graphics.Color)	4294770575 (0xFFFCFF8F)
YUV	241.3350, -48.4792, 9.3532
Hunter-Lab	97.0560, -21.1295, 43.5607

Details

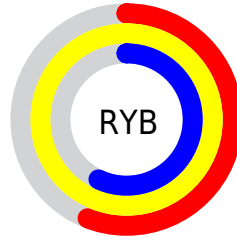
The XYZ color **80.8628, 94.1986, 39.9068** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.7276, 32.9771, 98.8791**, and the grayscale version is **84.2234, 88.6095, 96.4958**.

A 20% lighter version of the original color is **87.3088, 96.9035, 68.1354**, and **44.2877, 52.5957, 17.4906** is the 20% darker color. If you saturate the color by 10%, you get **78.8984, 93.3843, 30.8517**, and if you desaturate by 10%, it is **83.2675, 95.1891, 51.2767**.

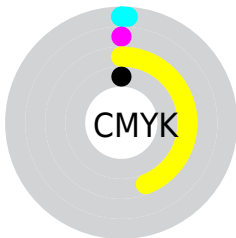
Distribution



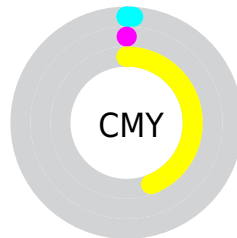
- Red (99%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (57%)



- Cyan (1%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.8628, 94.1986, 39.9068 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 80.8628, 94.1986, 39.9068 by changing the saturation by 10% instead.

 80.8628, 94.1986,
39.9068


 80.8628, 94.1986,
39.9068


486.5282,
541.5962, 361.2710

 60.7395, 71.4681,
27.1527


 133.5223,
153.1570, 76.2571

 44.2667, 52.7243,
17.4545


 166.7892,
190.1537, 100.6903

 31.0791, 37.5827,
10.3937

205.1680,
232.6746, 129.8537

 20.8112, 25.6590,
5.5517

249.0240,
281.1041, 164.1657

 13.0977, 16.5687,
2.5101

298.7227,
335.8267, 204.0449

 7.5733, 9.9275,
0.8455

354.6294,

 3.8727, 5.3509,

397.2266, 249.9098

0.0000

417.1094,
465.6883, 302.1790

■ 1.6303, 2.4546,
0.0000

■ 0.4121, 0.8538,
0.0000

■ 80.8628, 94.1986,
39.9068

■ 80.8628, 94.1986,
39.9068

■ 78.8984, 93.3843,
30.8517

■ 83.2675, 95.1891,
51.2767

■ 77.3437, 92.7340,
23.9489

■ 86.1394, 96.3666,
65.1013

■ 76.1649, 92.2342,
19.0210

■ 89.5036, 97.7411,
81.5142

■ 75.3226, 91.8690,
15.8607

■ 93.3834, 99.3220,
100.6379

■ 74.7688, 91.6194, 95.0500, 100.0000,
14.2145 108.9000

■ 74.5314, 91.5074,
13.7345

Harmonies

Analogous

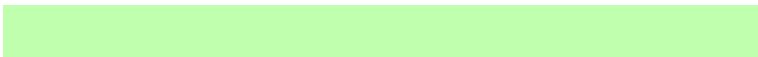
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4406, 94.1986, 39.0021



80.8628, 94.1986, 39.9068



69.0609, 94.1986, 54.0921

Triad

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



80.8628, 94.1986, 39.9068



70.4423, 94.1986, 180.4670



122.5165, 94.1986, 123.0964

Complementary

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



80.8628, 94.1986, 39.9068



39.7276, 32.9771, 98.8791

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.



113.6969, 94.1986, 173.7417



80.8628, 94.1986, 39.9068



82.9633, 94.1986, 212.8451

Square

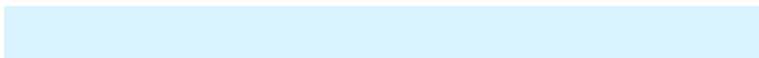
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8628, 94.1986, 39.9068



63.5480, 94.1986, 130.4471



98.8017, 94.1986, 210.0745



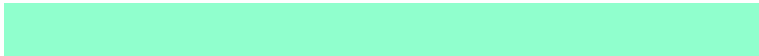
121.7819, 94.1986, 78.9713

Rectangle

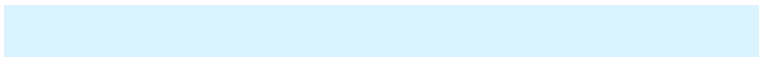
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8628, 94.1986, 39.9068



64.3649, 94.1986, 72.4041



98.8017, 94.1986, 210.0745



120.5311, 94.1986, 140.1203

Sweetspot

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



80.8630, 94.1987, 39.9081



89.8388, 97.8778, 83.1592



56.3037, 43.4543, 31.4078



19.0587, 20.8803, 16.9633



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

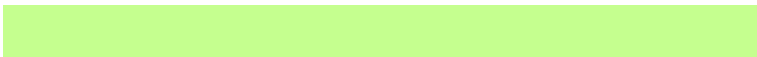
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8630, 94.1987, 39.9081



79.0616, 93.4522, 31.5927



63.7795, 85.3918, 39.1086



19.5103, 21.0645, 19.1819



38.9659, 47.8257, 7.1776



3.8086, 4.6642, 0.6995

Inverse Universe

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



39.7276, 32.9771, 98.8791



32.9843, 24.8626, 97.6682



51.9249, 39.2651, 99.4499



17.0480, 17.4010, 22.7101



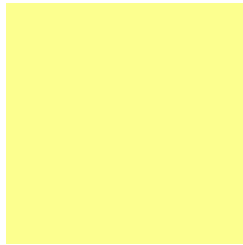
9.4956, 3.8057, 49.6687



0.9397, 0.3783, 4.8368

Previews

White Background



This preview shows how the XYZ color 80.8628, 94.1986, 39.9068 looks on a white background.

Color Contrast Check

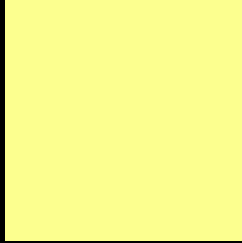
Large Text (above 18pt) WCAG AA × Fail

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 80.8628, 94.1986, 39.9068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

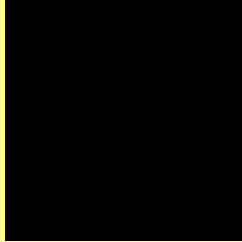
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.8628, 94.1986, 39.9068

Background



This preview shows how black text looks on a background with the XYZ color 80.8628, 94.1986, 39.9068.



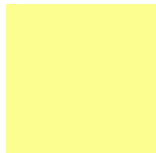
This preview shows how white text looks on a background with the XYZ color 80.8628, 94.1986,

39.9068.

Color Blindness Simulation

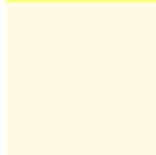
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



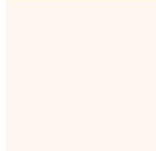
Original Color

80.8628, 94.1986, 39.9068



Protanopia

88.5349, 93.8858, 85.4070



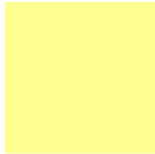
Deuteranopia

90.0808, 94.0135, 95.0600

Tritanopia

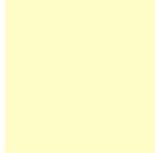
91.9254, 94.2634, 106.2782

Trichromacy



Original Color

80.8628, 94.1986, 39.9068



Protanomaly

85.3340, 94.0507, 65.8806



Deuteranomaly

85.9577, 93.8017, 70.7018



Tritanomaly

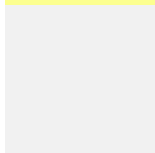
86.7590, 93.6263, 76.4498

Monochromacy



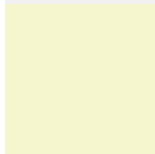
Original Color

80.8628, 94.1986, 39.9068



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.6314, 89.7318, 70.7751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8628, 94.1986, 39.9068 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, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 143)  
}
```

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, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 143) }
```

Border

The CSS property to change the border of an element to XYZ 80.8628, 94.1986, 39.9068 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, 255, 143) }
```


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

```
.border{ border-color:rgb(252, 255, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8628, 94.1986, 39.9068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 143) }
```

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

```
.background{ background-color: rgb(252,  
255, 143) }
```

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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