

Converting Colors

XYZ(80.8983, 94.1254, 44.0412)

Have a look what the booklet for
XYZ(80.8983, 94.1254, 44.0412)
contains.

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Color

**XYZ(80.9341, 94.1439,
44.0429)**

Conversions

Conversions Part 1

Format	Color
Hex	FAFF99
RGB	250, 255, 153
RGB Percent	98%, 100%, 60%
CMY	0.0196, 0.0000, 0.4000
CMYK	0.02, 0.00, 0.40, 0.00
HSL	63°, 100%, 80%
HSV	63°, 40%, 100%
XYZ	80.9341, 94.1439, 44.0429
YIQ	241.8770, 29.7620, -32.7820

Conversions

Conversions Part 2

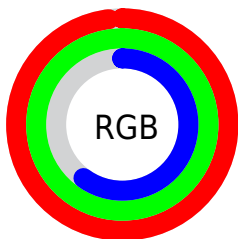
Format	Color
R _Y B	153, 255, 158
Decimal	16449433
CIE Lab	97.69, -16.13, 48.11
CIE LCh	98, 50.737, 108.534
Yxy	94.1439, 0.3694, 0.4296
Android (android.graphics.Color)	4294639513 (0xFFFAFF99)
YUV	241.8770, -43.8164, 7.1239
Hunter-Lab	97.0278, -20.9058, 41.0065

Details

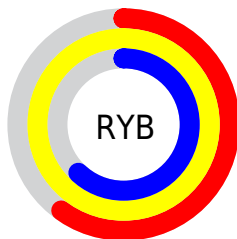
The XYZ color **80.9341, 94.1439, 44.0429** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.5429, 37.2728, 99.5072**, and the grayscale version is **84.6190, 89.0258, 96.9491**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **44.2326, 52.5147, 19.8616** is the 20% darker color. If you saturate the color by 10%, you get **78.6014, 93.1593, 34.0898**, and if you desaturate by 10%, it is **83.7203, 95.3103, 56.3689**.

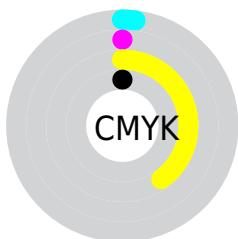
Distribution



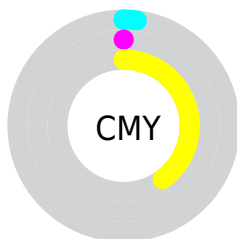
- Red (98%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (62%)



- Cyan (2%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9341, 94.1439, 44.0429 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 80.9341, 94.1439, 44.0429 by changing the saturation by 10% instead.


 80.9341, 94.1439,
44.0429


 80.9341, 94.1439,
44.0429


486.7640,
541.4206, 378.9298

 60.7984, 71.4226,
30.3668


 133.6219,
153.0813, 82.5855

 44.3144, 52.6872,
19.8628


 166.9047,
190.0663, 108.2890

 31.1168, 37.5531,
12.1122


205.3006,
232.5747, 138.8387

 20.8400, 25.6360,
6.6967

249.1750,
280.9908, 174.6533

 13.1189, 16.5515,
3.1976

298.8931,
335.6990, 216.1511

 7.5880, 9.9153,
1.1964

354.8204,

 3.8821, 5.3428,

397.0838, 263.7508

0.0000

417.3223,
465.5295, 317.8708

■ 1.6356, 2.4498,
0.0000

■ 0.4155, 0.8513,
0.0000

■ 80.9341, 94.1439,
44.0429

■ 80.9341, 94.1439,
44.0429

■ 78.6014, 93.1593,
34.0898

■ 83.7203, 95.3103,
56.3689

■ 76.6927, 92.3445,
26.3533

■ 86.9857, 96.6687,
71.2029

■ 75.1758, 91.6868,
20.6647

■ 90.7548, 98.2290,
88.6742

■ 74.0137, 91.1715,
16.8292

95.0500, 100.0000,
108.9000

■ 73.1623, 90.7807,
14.6148

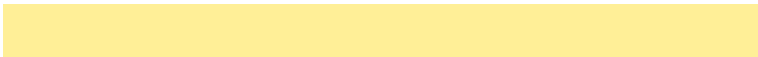
■ 72.5497, 90.4858,
13.6418

■ 72.5496, 90.4857,
13.6417

Harmonies

Analogous

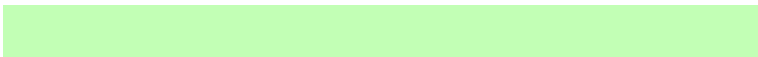
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.1206, 94.1439, 42.6127



80.9341, 94.1439, 44.0429



70.2282, 94.1439, 58.3162

Triad

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



80.9341, 94.1439, 44.0429



72.3096, 94.1439, 174.4701



119.5770, 94.1439, 119.1586

Complementary

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



80.9341, 94.1439, 44.0429



43.5429, 37.2728, 99.5072

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.



111.9654, 94.1439, 164.7656



80.9341, 94.1439, 44.0429



84.0687, 94.1439, 201.9786

Square

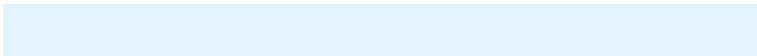
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9341, 94.1439, 44.0429



65.6312, 94.1439, 129.9465



98.6093, 94.1439, 198.0136



118.5045, 94.1439, 79.2302

Rectangle

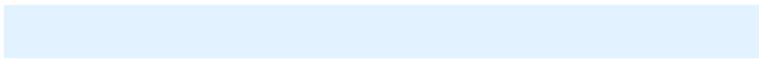
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9341, 94.1439, 44.0429



66.0277, 94.1439, 76.0493



98.6093, 94.1439, 198.0136



117.9187, 94.1439, 134.4827

Sweetspot

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



80.9343, 94.1440, 44.0442



89.9591, 97.9002, 84.9610



58.9462, 47.4724, 36.1945



19.1462, 20.9097, 17.6790



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

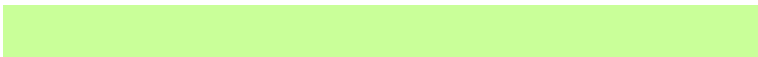
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9343, 94.1440, 44.0442



79.0329, 93.3421, 35.8970



65.4904, 86.1824, 43.3214



19.4680, 21.0427, 19.1799



37.9472, 47.3006, 7.1299



3.7208, 4.6189, 0.6954

Inverse Universe

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



43.5429, 37.2728, 99.5072



36.9637, 29.3404, 98.3228



55.2861, 43.3267, 100.0567



17.0854, 17.4202, 22.7119



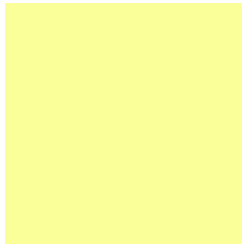
9.5489, 3.8331, 49.6712



0.9574, 0.3875, 4.8376

Previews

White Background



This preview shows how the XYZ color 80.9341, 94.1439, 44.0429 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 80.9341, 94.1439, 44.0429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

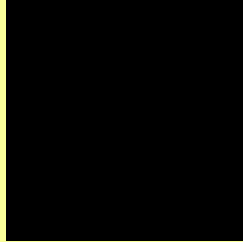
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9341, 94.1439, 44.0429

Background



This preview shows how black text looks on a background with the XYZ color 80.9341, 94.1439, 44.0429.

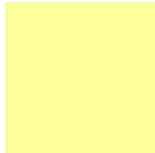


This preview shows how white text looks on a background with the XYZ color 80.9341, 94.1439,

Color Blindness Simulation

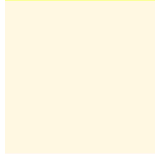
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



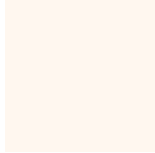
Original Color

80.9341, 94.1439, 44.0429



Protanopia

88.5349, 93.8858, 85.4070



Deuteranopia

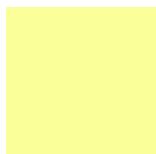
90.0808, 94.0135, 95.0600



Tritanopia

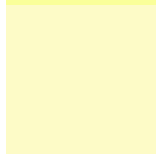
91.7818, 93.7206, 107.0184

Trichromacy



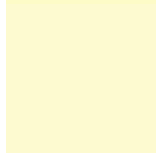
Original Color

80.9341, 94.1439, 44.0429



Protanomaly

85.3140, 94.0005, 67.6802



Deuteranomaly

86.0788, 93.8079, 73.2444



Tritanomaly

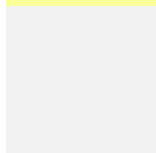
86.9081, 93.6438, 79.1401

Monochromacy



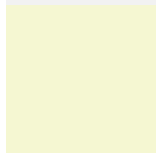
Original Color

80.9341, 94.1439, 44.0429



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.5498, 90.5871, 74.1070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9341, 94.1439, 44.0429 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(250, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(250, 255, 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(250, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 80.9341, 94.1439, 44.0429 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(250, 255, 153) }
```


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

```
.border{ border-color:rgb(250, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(250, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9341, 94.1439, 44.0429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 255, 153) }
```

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

```
.background{ background-color: rgb(250,  
255, 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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