

Converting Colors

XYZ(80.2000, 93.7654, 44.0095)

Have a look what the booklet for
XYZ(80.2000, 93.7654, 44.0095)
contains.

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Color

**XYZ(80.2212, 93.7764,
44.0095)**

Conversions

Conversions Part 1

Format	Color
Hex	F8FF99
RGB	248, 255, 153
RGB Percent	97%, 100%, 60%
CMY	0.0275, 0.0000, 0.4000
CMYK	0.03, 0.00, 0.40, 0.00
HSL	64°, 100%, 80%
HSV	64°, 40%, 100%
XYZ	80.2212, 93.7764, 44.0095
YIQ	241.2790, 28.5700, -33.2060

Conversions

Conversions Part 2

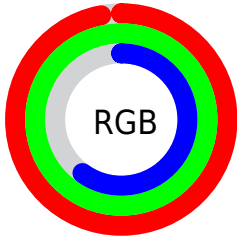
Format	Color
R_{YB}	153, 255, 160
Decimal	16318361
CIE _{Lab}	97.54, -16.88, 47.89
CIE _{LCh}	98, 50.777, 109.422
Yxy	93.7764, 0.3680, 0.4302
Android (android.graphics.Color)	4294508441 (0xFF8FF99)
YUV	241.2790, -43.5215, 5.8943
Hunter-Lab	96.8382, -21.5967, 40.8416

Details

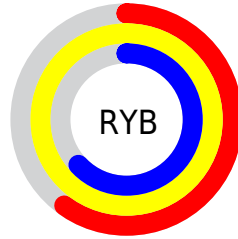
The XYZ color **80.2212, 93.7764, 44.0095** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.9395, 37.4773, 99.5257**, and the grayscale version is **84.1444, 88.5265, 96.4053**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **43.7295, 52.2554, 19.8381** is the 20% darker color. If you saturate the color by 10%, you get **77.7174, 92.7035, 34.0483**, and if you desaturate by 10%, it is **83.1813, 95.0324, 56.3436**.

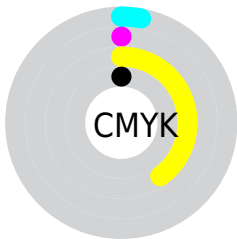
Distribution



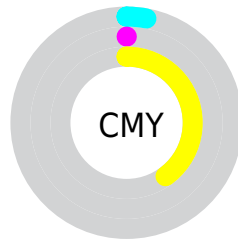
- Red (97%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (63%)



- Cyan (3%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2212, 93.7764, 44.0095 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 80.2212, 93.7764, 44.0095 by changing the saturation by 10% instead.


 80.2212, 93.7764,
44.0095


 80.2212, 93.7764,
44.0095


484.4032,
540.2403, 378.7895

 60.2095, 71.1170,
30.3407


 132.6256,
152.5731, 82.5347

 43.8376, 52.4377,
19.8431


 165.7489,
189.4791, 108.2281

 30.7402, 37.3541,
12.0981


203.9736,
231.9028, 138.7669

 20.5520, 25.4817,
6.6872

247.6648,
280.2286, 174.5696

 12.9075, 16.4363,
3.1918

297.1881,
334.8409, 216.0546

 7.4414, 9.8334,
1.1934

352.9086,

 3.7884, 5.2887,

396.1240, 263.6406

0.0000

415.1919,
464.4623, 317.7461

■ 1.5832, 2.4176,
0.0000

■ 0.3814, 0.8349,
0.0000

■ 80.2212, 93.7764,
44.0095

■ 80.2212, 93.7764,
44.0095

■ 77.7174, 92.7035,
34.0483

■ 83.1813, 95.0324,
56.3436

■ 75.6404, 91.8020,
26.3040

■ 86.6235, 96.4820,
71.1859

■ 73.9580, 91.0590,
20.6076

■ 90.5723, 98.1349,
88.6656

■ 72.6332, 90.4598,
16.7646

95.0500, 100.0000,
108.9000

■ 71.6220, 89.9866,
14.5427

■ 70.8522, 89.6107,
13.5624

■ 70.8521, 89.6106,
13.5623

Harmonies

Analogous

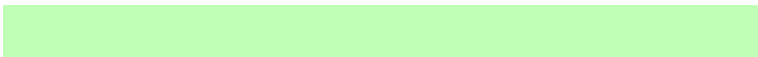
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3223, 93.7764, 42.2249



80.2212, 93.7764, 44.0095



69.6772, 93.7764, 58.6528

Triad

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



80.2212, 93.7764, 44.0095



72.2758, 93.7764, 175.1224



119.2791, 93.7764, 117.3981

Complementary

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



80.2212, 93.7764, 44.0095



43.9395, 37.4773, 99.5257

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.



111.9070, 93.7764, 163.0008



80.2212, 93.7764, 44.0095



84.1350, 93.7764, 201.8169

Square

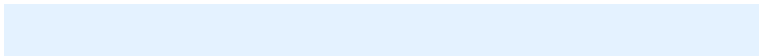
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2212, 93.7764, 44.0095



65.4440, 93.7764, 130.8706



98.6786, 93.7764, 196.8639



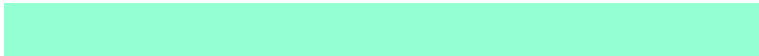
117.9396, 93.7764, 77.8999

Rectangle

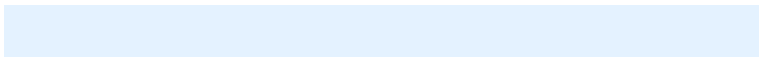
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2212, 93.7764, 44.0095



65.6000, 93.7764, 76.6483



98.6786, 93.7764, 196.8639



117.7089, 93.7764, 132.6569

Sweetspot

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



80.2214, 93.7765, 44.0108



89.7405, 97.7874, 84.9508



59.5266, 48.6332, 36.3880



19.0944, 20.8830, 17.6766



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

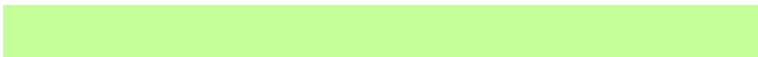
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2214, 93.7765, 44.0108



78.1828, 92.9039, 35.8573



64.5888, 85.7176, 43.2792



19.4309, 21.0236, 19.1782



37.0741, 46.8505, 7.0890



3.6453, 4.5800, 0.6919

Inverse Universe

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



43.9395, 37.4773, 99.5257



37.3674, 29.5485, 98.3417



56.2487, 43.8229, 100.1018



17.1184, 17.4373, 22.7134



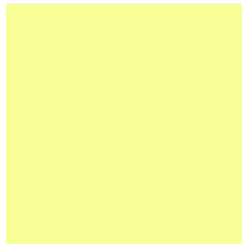
9.5993, 3.8591, 49.6735



0.9731, 0.3956, 4.8383

Previews

White Background



This preview shows how the XYZ color 80.2212, 93.7764, 44.0095 looks on a white background.

Color Contrast Check

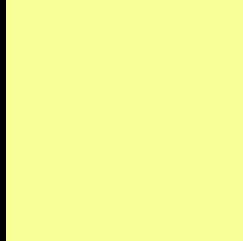
Large Text (above 18pt) WCAG AA × Fail

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 80.2212, 93.7764, 44.0095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

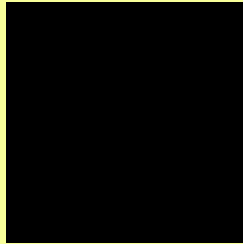
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2212, 93.7764, 44.0095

Background



This preview shows how black text looks on a background with the XYZ color 80.2212, 93.7764, 44.0095.

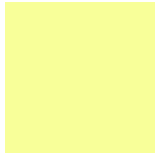


This preview shows how white text looks on a background with the XYZ color 80.2212, 93.7764,

Color Blindness Simulation

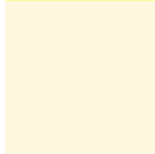
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



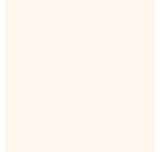
Original Color

80.2212, 93.7764, 44.0095



Protanopia

88.2619, 93.7766, 83.9698



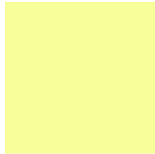
Deuteranopia

89.6284, 93.3446, 94.1823

Tritanopia

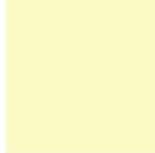
91.9424, 93.7848, 107.8641

Trichromacy



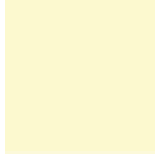
Original Color

80.2212, 93.7764, 44.0095



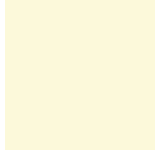
Protanomaly

84.8351, 93.7670, 67.0536



Deuteranomaly

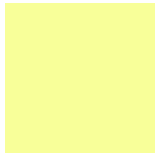
85.2831, 92.9518, 72.4781



Tritanomaly

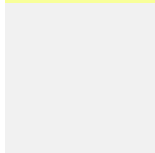
86.6755, 93.5088, 79.8104

Monochromacy



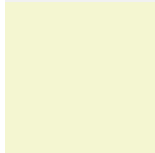
Original Color

80.2212, 93.7764, 44.0095



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.7726, 89.7481, 73.3348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2212, 93.7764, 44.0095 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(248, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(248, 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(248, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 80.2212, 93.7764, 44.0095 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(248, 255, 153) }
```


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

```
.border{ border-color:rgb(248, 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(248, 255, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2212, 93.7764, 44.0095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 153) }
```

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

```
.background{ background-color: rgb(248,  
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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