

Converting Colors

XYZ(83.9910, 100.0000,
52.2729)

Have a look what the booklet for
XYZ(83.9910, 100.0000, 52.2729)
contains.

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Color

**XYZ(80.9275, 93.9774,
51.4102)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FFA9
RGB	246, 255, 169
RGB Percent	96%, 100%, 66%
CMY	0.0353, 0.0000, 0.3372
CMYK	0.04, 0.00, 0.34, 0.00
HSL	66°, 100%, 83%
HSV	66°, 34%, 100%
XYZ	80.9275, 93.9774, 51.4102
YIQ	242.5050, 22.2420, -28.6540

Conversions

Conversions Part 2

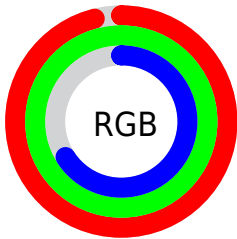
Format	Color
R _Y B	169, 255, 178
Decimal	16187305
CIE Lab	97.62, -15.85, 40.16
CIE LCh	98, 43.179, 111.537
Yxy	93.9774, 0.3576, 0.4153
Android (android.graphics.Color)	4294377385 (0xFFFF6FFA9)
YUV	242.5050, -36.2380, 3.0651
Hunter-Lab	96.9419, -20.6359, 36.4167

Details

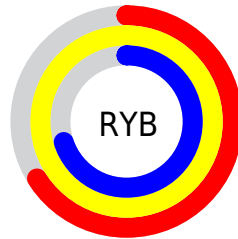
The XYZ color **80.9275, 93.9774, 51.4102** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.5990, 45.0621, 100.6387**, and the grayscale version is **85.0635, 89.4934, 97.4583**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **44.3327, 52.4679, 24.3137** is the 20% darker color. If you saturate the color by 10%, you get **77.8328, 92.6322, 39.9642**, and if you desaturate by 10%, it is **84.5032, 95.5166, 65.3181**.

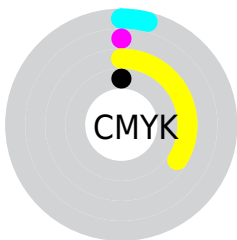
Distribution



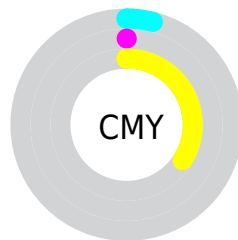
- Red (96%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (70%)



- Cyan (4%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9275, 93.9774, 51.4102 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 80.9275, 93.9774, 51.4102 by changing the saturation by 10% instead.


 80.9275, 93.9774,
51.4102

 80.9275, 93.9774,
51.4102


486.7422,
540.8860, 409.0474

 60.7930, 71.2842,
36.1562


 133.6127,
152.8511, 93.6785

 44.3100, 52.5741,
24.2642


166.8940,
189.8003, 121.5299

 31.1133, 37.4629,
15.3157


205.2883,
232.2703, 154.4175

 20.8374, 25.5661,
8.8922

249.1610,
280.6455, 192.7598

 13.1170, 16.4993,
4.5751

298.8773,
335.3103, 236.9754

 7.5867, 9.8782,
1.9458

354.8028,

 3.8812, 5.3183,

396.6491, 287.4829

0.5217

417.3026,
465.0462, 344.7007

■ 1.6351, 2.4352,
0.0000

■ 0.4152, 0.8439,
0.0000

■ 80.9275, 93.9774,
51.4102

■ 80.9275, 93.9774,
51.4102

■ 77.8328, 92.6322,
39.9642

■ 84.5032, 95.5166,
65.3181

■ 75.1909, 91.4696,
30.8328

■ 88.5840, 97.2594,
81.8160

■ 72.9719, 90.4777,
23.8587

■ 93.1936, 99.2153,
101.0276

■ 71.1419, 89.6430,
18.8638

95.0500, 100.0000,
108.9000

■ 69.6616, 88.9497,
15.6415

■ 68.4831, 88.3786,
13.9396

■ 67.8547, 88.0654,
13.4220

Harmonies

Analogous

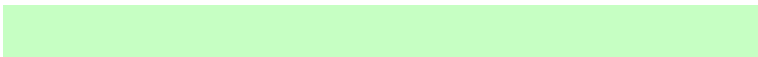
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8449, 93.9774, 48.9312



80.9275, 93.9774, 51.4102



72.0716, 93.9774, 65.7459

Triad

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



80.9275, 93.9774, 51.4102



75.4187, 93.9774, 164.9739



114.7877, 93.9774, 112.6096

Complementary

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



80.9275, 93.9774, 51.4102



50.5990, 45.0621, 100.6387

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.



109.1279, 93.9774, 150.4446



80.9275, 93.9774, 51.4102



85.8907, 93.9774, 184.8999

Square

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



80.9275, 93.9774, 51.4102



69.0999, 93.9774, 129.2278



98.2793, 93.9774, 179.0474



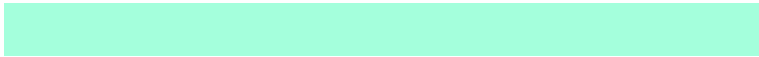
113.1499, 93.9774, 79.4425

Rectangle

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



80.9275, 93.9774, 51.4102



68.7353, 93.9774, 82.3587



98.2793, 93.9774, 179.0474



113.6581, 93.9774, 125.2835

Sweetspot

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



80.9278, 93.9776, 51.4115



90.2378, 97.9625, 88.6479



64.2430, 55.8074, 44.9233



19.1792, 20.9105, 18.4130



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

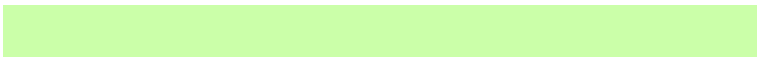
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9278, 93.9776, 51.4115



78.9311, 93.1113, 43.9492



67.6598, 87.1376, 50.7906



19.3629, 20.9885, 19.1750



35.5313, 46.0552, 7.0168



3.5112, 4.5108, 0.6856

Inverse Universe

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



50.5990, 45.0621, 100.6387



44.6839, 37.8604, 99.5604



61.9359, 50.9065, 101.1693



17.1794, 17.4687, 22.7163



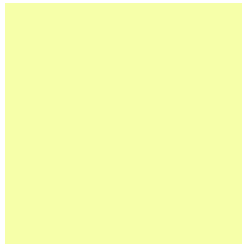
9.7203, 3.9215, 49.6792



1.0018, 0.4104, 4.8397

Previews

White Background



This preview shows how the XYZ color 80.9275, 93.9774, 51.4102 looks on a white background.

Color Contrast Check

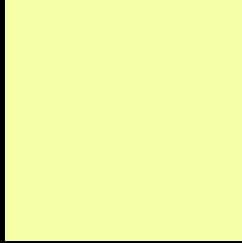
Large Text (above 18pt) WCAG AA × Fail

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 80.9275, 93.9774, 51.4102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

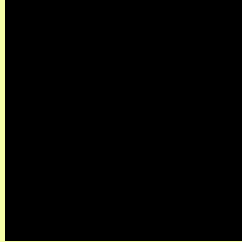
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9275, 93.9774, 51.4102

Background



This preview shows how black text looks on a background with the XYZ color 80.9275, 93.9774, 51.4102.



This preview shows how white text looks on a background with the XYZ color 80.9275, 93.9774,

Color Blindness Simulation

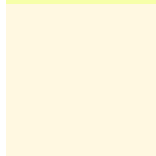
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



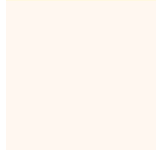
Original Color

80.9275, 93.9774, 51.4102



Protanopia

88.3980, 93.8310, 84.6863



Deuteranopia

90.2289, 94.0728, 95.8404



Tritanopia

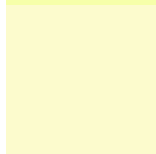
91.5138, 94.0142, 107.9310

Trichromacy



Original Color

80.9275, 93.9774, 51.4102



Protanomaly

85.6615, 94.0976, 71.4054



Deuteranomaly

86.4681, 93.9217, 77.1897



Tritanomaly

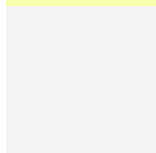
86.7546, 93.4572, 83.9876

Monochromacy



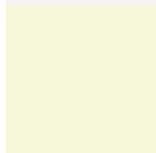
Original Color

80.9275, 93.9774, 51.4102



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

82.9637, 90.7125, 78.1024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9275, 93.9774, 51.4102 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(246, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 169)  
}
```

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(246, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 80.9275, 93.9774, 51.4102 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(246, 255, 169) }
```


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

```
.border{ border-color:rgb(246, 255, 169) }
```

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

Here you see how a box with a 4 pixel rgb(246, 255, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9275, 93.9774, 51.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 169) }
```

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

```
.background{ background-color: rgb(246,  
255, 169) }
```

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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