

Converting Colors

XYZ(116.5099, 165.0265,
59.8176)

Have a look what the booklet for
XYZ(116.5099, 165.0265, 59.8176)
contains.

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Color

**XYZ(80.9930, 94.0851,
48.0739)**

Conversions

Conversions Part 1

Format	Color
Hex	F8FFA2
RGB	248, 255, 162
RGB Percent	97%, 100%, 64%
CMY	0.0275, 0.0000, 0.3647
CMYK	0.03, 0.00, 0.36, 0.00
HSL	65°, 100%, 82%
HSV	65°, 36%, 100%
XYZ	80.9930, 94.0851, 48.0739
YIQ	242.3050, 25.6810, -30.4070

Conversions

Conversions Part 2

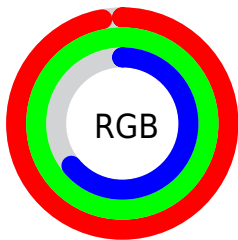
Format	Color
R_{YB}	162, 255, 169
Decimal	16318370
CIE _{Lab}	97.67, -15.91, 43.68
CIE _{LCh}	98, 46.491, 110.012
Yxy	94.0851, 0.3629, 0.4216
Android (android.graphics.Color)	4294508450 (0xFFFF8FFA2)
YUV	242.3050, -39.5904, 4.9945
Hunter-Lab	96.9975, -20.6979, 38.5129

Details

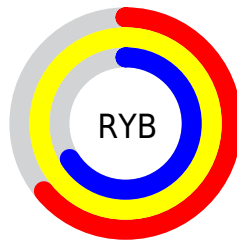
The XYZ color **80.9930, 94.0851, 48.0739** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.3336, 41.4970, 100.1227**, and the grayscale version is **84.9284, 89.3513, 97.3036**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **44.1896, 52.4394, 22.2608** is the 20% darker color. If you saturate the color by 10%, you get **78.2741, 92.9193, 37.2901**, and if you desaturate by 10%, it is **84.1791, 95.4386, 61.2812**.

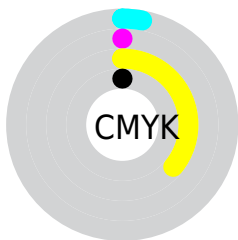
Distribution



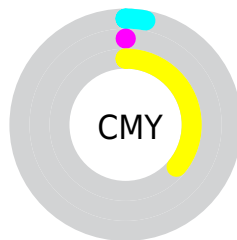
- Red (97%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (66%)



- Cyan (3%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9930, 94.0851, 48.0739 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 80.9930, 94.0851, 48.0739 by changing the saturation by 10% instead.


 80.9930, 94.0851,
48.0739


 80.9930, 94.0851,
48.0739


486.9588,
541.2319, 395.6021

 60.8471, 71.3737,
33.5250


 133.7041,
153.0000, 88.6811

 44.3539, 52.6473,
22.2545


 167.0001,
189.9724, 115.5765

 31.1479, 37.5212,
13.8439


205.4101,
232.4672, 147.4245

 20.8639, 25.6113,
7.8747

249.2996,
280.8689, 184.6436

 13.1364, 16.5331,
3.9283

299.0338,
335.5618, 227.6524

 7.6002, 9.9022,
1.5861

354.9782,

 3.8899, 5.3341,

396.9303, 276.8694

0.2808

417.4981,
465.3589, 332.7131

■ 1.6400, 2.4446,
0.0000

■ 0.4183, 0.8487,
0.0000

■ 80.9930, 94.0851,
48.0739

■ 80.9930, 94.0851,
48.0739

■ 78.2741, 92.9193,
37.2901

■ 84.1791, 95.4386,
61.2812

■ 75.9936, 91.9297,
28.7787

■ 87.8571, 96.9896,
77.0430

■ 74.1208, 91.1040,
22.3777

■ 92.0512, 98.7479,
95.4854

■ 72.6205, 90.4280,
17.9022

95.0500, 100.0000,
108.9000

■ 71.4515, 89.8854,
15.1354

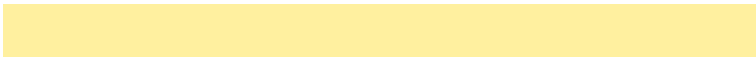
■ 70.5622, 89.4555,
13.8061

■ 70.2877, 89.3197,
13.5359

Harmonies

Analogous

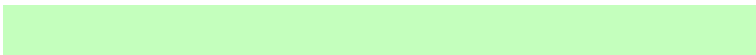
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9132, 94.0851, 46.1101



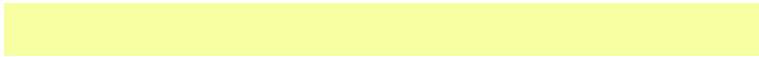
80.9930, 94.0851, 48.0739



71.3042, 94.0851, 62.3710

Triad

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



80.9930, 94.0851, 48.0739



74.0433, 94.0851, 169.0702



116.9119, 94.0851, 115.6144

Complementary

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



80.9930, 94.0851, 48.0739



47.3336, 41.4970, 100.1227

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.



110.3820, 94.0851, 156.7988



80.9930, 94.0851, 48.0739



85.0823, 94.0851, 192.3252

Square

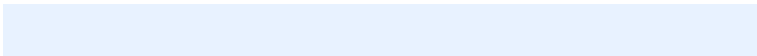
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9930, 94.0851, 48.0739



67.5748, 94.0851, 129.4733



98.4229, 94.0851, 187.3507



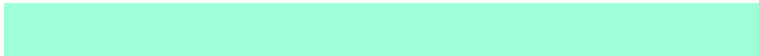
115.5407, 94.0851, 79.4632

Rectangle

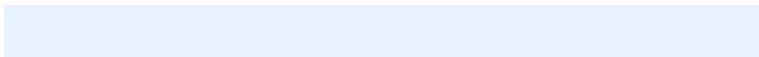
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9930, 94.0851, 48.0739



67.5717, 94.0851, 79.4884



98.4229, 94.0851, 187.3507



115.5452, 94.0851, 129.4384

Sweetspot

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



80.9933, 94.0852, 48.0752



90.0857, 97.9250, 86.7903



61.8019, 51.9489, 40.9535



19.1607, 20.9091, 18.0433



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

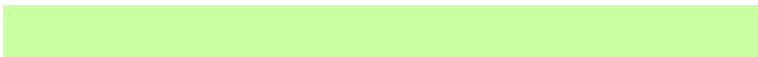
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9933, 94.0852, 48.0752



78.9037, 93.1904, 39.7361



66.7206, 86.7274, 47.4072



19.4183, 21.0171, 19.1776



36.7837, 46.7008, 7.0754



3.6201, 4.5670, 0.6907

Inverse Universe

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



47.3336, 41.4970, 100.1227



40.6505, 33.4077, 98.9136



58.9075, 47.4635, 100.6644



17.1296, 17.4430, 22.7140



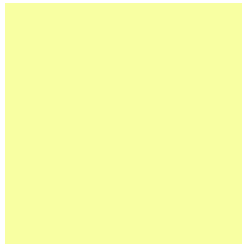
9.6188, 3.8692, 49.6744



0.9784, 0.3983, 4.8386

Previews

White Background



This preview shows how the XYZ color 80.9930, 94.0851, 48.0739 looks on a white background.

Color Contrast Check

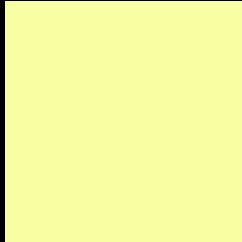
Large Text (above 18pt) WCAG AA × Fail

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 80.9930, 94.0851, 48.0739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

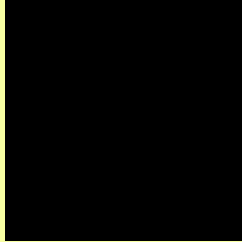
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9930, 94.0851, 48.0739

Background



This preview shows how black text looks on a background with the XYZ color 80.9930, 94.0851, 48.0739.

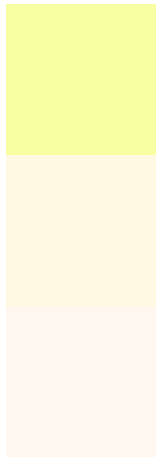


This preview shows how white text looks on a background with the XYZ color 80.9930, 94.0851,

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

80.9930, 94.0851, 48.0739

Protanopia

88.5349, 93.8858, 85.4070

Deuteranopia

90.2289, 94.0728, 95.8404

Tritanopia

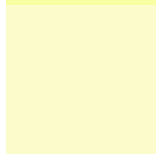
91.8788, 94.2024, 107.9481

Trichromacy



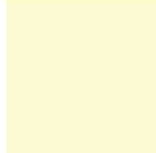
Original Color

80.9930, 94.0851, 48.0739



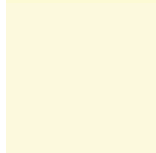
Protanomaly

85.4216, 94.0016, 70.1418



Deuteranomaly

86.2142, 93.8201, 75.8525



Tritanomaly

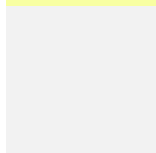
87.0717, 93.6673, 81.8970

Monochromacy



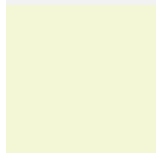
Original Color

80.9930, 94.0851, 48.0739



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.5792, 90.5587, 76.0780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9930, 94.0851, 48.0739 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 162) }
```

Border

The CSS property to change the border of an element to XYZ 80.9930, 94.0851, 48.0739 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, 162) }
```


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

```
.border{ border-color:rgb(248, 255, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 255, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 255, 162); box-shadow:4px 4px 4px 4px rgb(248, 255, 162) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9930, 94.0851, 48.0739 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, 162) }
```

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

```
.background{ background-color: rgb(248,  
255, 162) }
```

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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