

Converting Colors

XYZ(80.7094, 93.9428, 47.8839)

Have a look what the booklet for
XYZ(80.7094, 93.9428, 47.8839)
contains.

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Color

**XYZ(80.6394, 93.9028,
48.0573)**

Conversions

Conversions Part 1

Format	Color
Hex	F7FFA2
RGB	247, 255, 162
RGB Percent	97%, 100%, 64%
CMY	0.0314, 0.0000, 0.3647
CMYK	0.03, 0.00, 0.36, 0.00
HSL	65°, 100%, 82%
HSV	65°, 36%, 100%
XYZ	80.6394, 93.9028, 48.0573
YIQ	242.0060, 25.0850, -30.6190

Conversions

Conversions Part 2

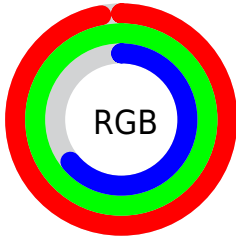
Format	Color
RYB	162, 255, 170
Decimal	16252834
CIELab	97.59, -16.28, 43.57
CIELCh	98, 46.518, 110.492
Yxy	93.9028, 0.3623, 0.4218
Android (android.graphics.Color)	4294442914 (0xFFFF7FFA2)
YUV	242.0060, -39.4430, 4.3797
Hunter-Lab	96.9035, -21.0401, 38.4287

Details

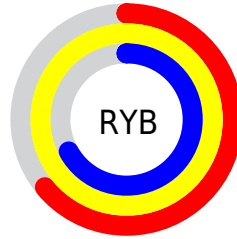
The XYZ color **80.6394, 93.9028, 48.0573** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.5489, 41.6079, 100.1328**, and the grayscale version is **84.6904, 89.1009, 97.0309**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **43.9407, 52.3111, 22.2491** is the 20% darker color. If you saturate the color by 10%, you get **77.8285, 92.6896, 37.2692**, and if you desaturate by 10%, it is **83.9196, 95.3048, 61.2690**.

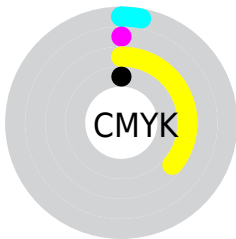
Distribution



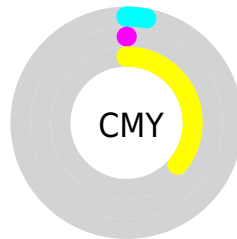
- Red (97%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (67%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.6394, 93.9028, 48.0573 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 80.6394, 93.9028, 48.0573 by changing the saturation by 10% instead.


 80.6394, 93.9028,
48.0573


 80.6394, 93.9028,
48.0573


485.7888,
540.6464, 395.5345

 60.5549, 71.2221,
33.5120

 133.2101,
152.7479, 88.6561

 44.1172, 52.5235,
22.2446


 166.4271,
189.6811, 115.5467

 30.9610, 37.4225,
13.8367


204.7523,
232.1340, 147.3895

 20.7208, 25.5348,
7.8697

248.5510,
280.4908, 184.6029

 13.0314, 16.4759,
3.9251

298.1887,
335.1361, 227.6056

 7.5273, 9.8616,
1.5844

354.0307,

 3.8433, 5.3073,

396.4542, 276.8160

0.2796

416.4423,
464.8295, 332.6528

■ 1.6138, 2.4287,
0.0000

■ 0.4014, 0.8406,
0.0000

■ 80.6394, 93.9028,
48.0573

■ 80.6394, 93.9028,
48.0573

■ 77.8285, 92.6896,
37.2692

■ 83.9196, 95.3048,
61.2690

■ 75.4582, 91.6537,
28.7536

■ 87.6939, 96.9055,
77.0353

■ 73.4975, 90.7827,
22.3485

■ 91.9864, 98.7145,
95.4823

■ 71.9115, 90.0626,
17.8690

95.0500, 100.0000,
108.9000

■ 70.6589, 89.4768,
15.0983

■ 69.6882, 89.0049,
13.7652

■ 69.3853, 88.8545,
13.4936

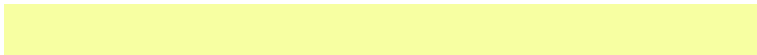
Harmonies

Analogous

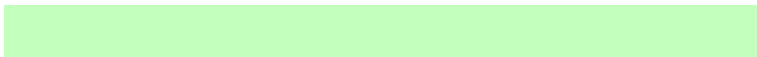
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5204, 93.9028, 45.9084



80.6394, 93.9028, 48.0573



71.0286, 93.9028, 62.5458

Triad

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



80.6394, 93.9028, 48.0573



74.0264, 93.9028, 169.3833



116.7653, 93.9028, 114.7576

Complementary

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



80.6394, 93.9028, 48.0573



47.5489, 41.6079, 100.1328

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.



110.3523, 93.9028, 155.9500



80.6394, 93.9028, 48.0573



85.1151, 93.9028, 192.2439

Square

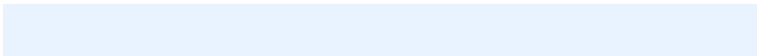
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6394, 93.9028, 48.0573



67.4806, 93.9028, 129.9277



98.4566, 93.9028, 186.7982



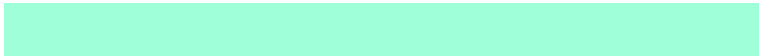
115.2644, 93.9028, 78.8019

Rectangle

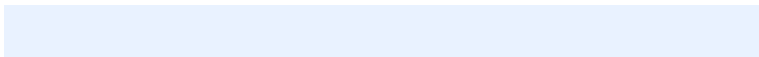
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6394, 93.9028, 48.0573



67.3567, 93.9028, 79.7935



98.4566, 93.9028, 186.7982



115.4415, 93.9028, 128.5544

Sweetspot

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



80.6397, 93.9029, 48.0586



89.9761, 97.8685, 86.7851



62.0902, 52.5255, 41.0496



19.1344, 20.8955, 18.0420



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

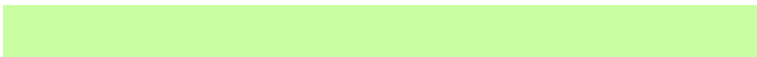
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6397, 93.9029, 48.0586



78.4806, 92.9723, 39.7163



66.3025, 86.5118, 47.3876



19.3980, 21.0066, 19.1766



36.3193, 46.4614, 7.0537



3.5798, 4.5462, 0.6888

Inverse Universe

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



47.5489, 41.6079, 100.1328



40.8761, 33.5240, 98.9241



59.3640, 47.6988, 100.6857



17.1478, 17.4524, 22.7148



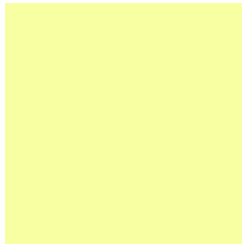
9.6530, 3.8868, 49.6760



0.9870, 0.4027, 4.8390

Previews

White Background



This preview shows how the XYZ color 80.6394, 93.9028, 48.0573 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 80.6394, 93.9028, 48.0573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

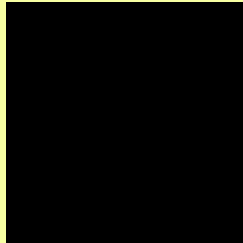
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.6394, 93.9028, 48.0573

Background



This preview shows how black text looks on a background with the XYZ color 80.6394, 93.9028, 48.0573.

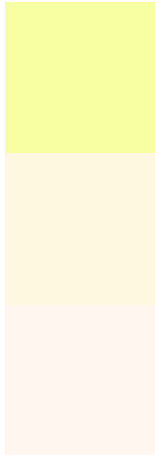


This preview shows how white text looks on a background with the XYZ color 80.6394, 93.9028,

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

80.6394, 93.9028, 48.0573

Protanopia

88.3980, 93.8310, 84.6863

Deuteranopia

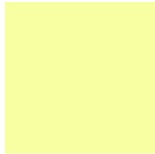
90.0808, 94.0135, 95.0600



Tritanopia

91.5755, 93.5956, 107.8470

Trichromacy



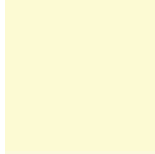
Original Color

80.6394, 93.9028, 48.0573



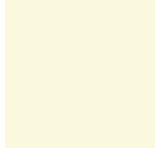
Protanomaly

85.3027, 93.9541, 69.5161



Deuteranomaly

86.0884, 93.7698, 75.1901



Tritanomaly

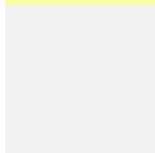
86.7105, 93.4811, 81.8801

Monochromacy



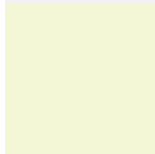
Original Color

80.6394, 93.9028, 48.0573



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 80.6394, 93.9028, 48.0573 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(247, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 162) }
```

Border

The CSS property to change the border of an element to XYZ 80.6394, 93.9028, 48.0573 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(247, 255, 162) }
```


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

```
.border{ border-color:rgb(247, 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(247, 255, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6394, 93.9028, 48.0573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 162) }
```

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

```
.background{ background-color: rgb(247,  
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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