

Converting Colors

XYZ(102.6367, 137.7225,
56.6186)

Have a look what the booklet for
XYZ(102.6367, 137.7225, 56.6186)
contains.

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Color

**XYZ(80.9093, 94.0108,
49.4788)**

Conversions

Conversions Part 1

Format	Color
Hex	F7FFA5
RGB	247, 255, 165
RGB Percent	97%, 100%, 65%
CMY	0.0314, 0.0000, 0.3529
CMYK	0.03, 0.00, 0.35, 0.00
HSL	65°, 100%, 82%
HSV	65°, 35%, 100%
XYZ	80.9093, 94.0108, 49.4788
YIQ	242.3480, 24.1220, -29.6860

Conversions

Conversions Part 2

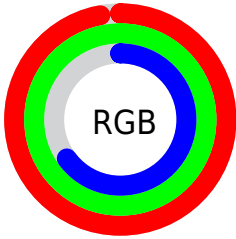
Format	Color
R_{YB}	165, 255, 173
Decimal	16252837
CIE _{Lab}	97.64, -15.94, 42.16
CIE _{LCh}	98, 45.077, 110.715
Yxy	94.0108, 0.3606, 0.4189
Android (android.graphics.Color)	4294442917 (0xFFFF7FFA5)
YUV	242.3480, -38.1326, 4.0798
Hunter-Lab	96.9592, -20.7260, 37.6154

Details

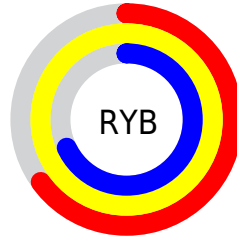
The XYZ color **80.9093, 94.0108, 49.4788** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.7398, 43.0157, 100.3417**, and the grayscale version is **84.9522, 89.3763, 97.3308**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **44.1050, 52.3768, 23.1144** is the 20% darker color. If you saturate the color by 10%, you get **78.0202, 92.7634, 38.4121**, and if you desaturate by 10%, it is **84.2714, 95.4485, 62.9856**.

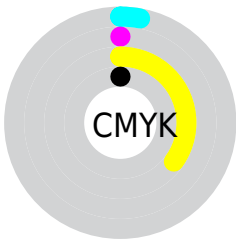
Distribution



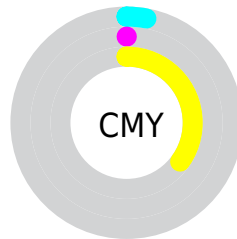
- Red (97%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (68%)



- Cyan (3%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9093, 94.0108, 49.4788 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 80.9093, 94.0108, 49.4788 by changing the saturation by 10% instead.


 80.9093, 94.0108,
49.4788

 80.9093, 94.0108,
49.4788


486.6820,
540.9933, 401.3007

 60.7779, 71.3119,
34.6312


 133.5872,
152.8973, 90.7905

 44.2978, 52.5968,
23.0976


 166.8645,
189.8537, 118.0916

 31.1036, 37.4810,
14.4596


205.2545,
232.3314, 150.3810

 20.8300, 25.5801,
8.2986

249.1225,
280.7148, 188.0772

 13.1115, 16.5098,
4.1961

298.8339,
335.3883, 231.5988

 7.5829, 9.8856,
1.7335

354.7540,

 3.8788, 5.3232,

396.7363, 281.3642

0.3836

417.2483,
465.1432, 337.7920

■ 1.6338, 2.4381,
0.0000

■ 0.4143, 0.8454,
0.0000

■ 80.9093, 94.0108,
49.4788

■ 80.9093, 94.0108,
49.4788

■ 78.0202, 92.7634,
38.4121

■ 84.2714, 95.4485,
62.9856

■ 75.5757, 91.6949,
29.6360

■ 88.1311, 97.0865,
79.0621

■ 73.5454, 90.7932,
22.9906

■ 92.5124, 98.9341,
97.8335

■ 71.8948, 90.0445,
18.2941

95.0500, 100.0000,
108.9000

■ 70.5833, 89.4326,
15.3340

■ 69.5613, 88.9376,
13.8483

■ 69.1469, 88.7316,
13.4825

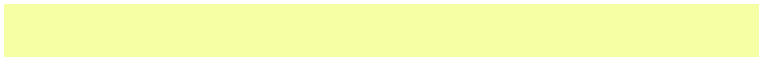
Harmonies

Analogous

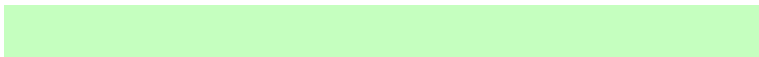
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.3941, 94.0108, 47.2694



80.9093, 94.0108, 49.4788



71.5879, 94.0108, 63.8272

Triad

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



80.9093, 94.0108, 49.4788



74.6268, 94.0108, 167.3627



115.9788, 94.0108, 114.1893

Complementary

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



80.9093, 94.0108, 49.4788



48.7398, 43.0157, 100.3417

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.



109.8412, 94.0108, 153.9299



80.9093, 94.0108, 49.4788



85.4330, 94.0108, 189.1176

Square

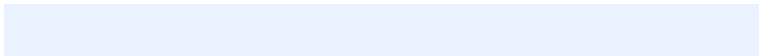
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9093, 94.0108, 49.4788



68.2091, 94.0108, 129.4417



98.3677, 94.0108, 183.6869



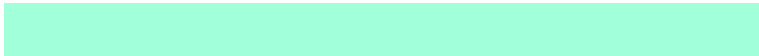
114.4723, 94.0108, 79.3494

Rectangle

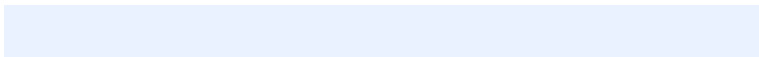
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9093, 94.0108, 49.4788



68.0333, 94.0108, 80.7561



98.3677, 94.0108, 183.6869



114.7209, 94.0108, 127.5135

Sweetspot

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



80.9096, 94.0109, 49.4801



89.9468, 97.8535, 86.7838



62.8801, 53.6734, 42.6444



19.1273, 20.8919, 18.0417



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

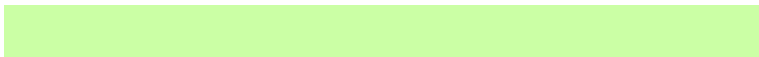
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9096, 94.0109, 49.4801



78.9212, 93.1538, 41.7964



67.0448, 86.8633, 48.8312



19.3926, 21.0038, 19.1764



36.1966, 46.3981, 7.0480



3.5691, 4.5407, 0.6883

Inverse Universe

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



48.7398, 43.0157, 100.3417



42.6110, 35.5789, 99.2293



60.2701, 48.9598, 100.8814



17.1527, 17.4549, 22.7150



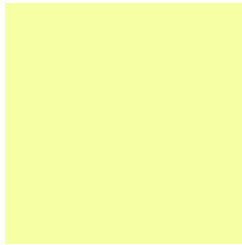
9.6627, 3.8918, 49.6765



0.9892, 0.4039, 4.8391

Previews

White Background



This preview shows how the XYZ color 80.9093, 94.0108, 49.4788 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 80.9093, 94.0108, 49.4788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

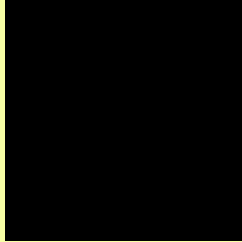
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

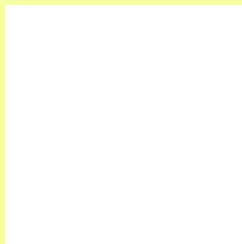
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9093, 94.0108, 49.4788

Background



This preview shows how black text looks on a background with the XYZ color 80.9093, 94.0108, 49.4788.



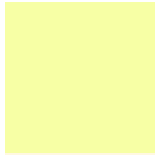
This preview shows how white text looks on a background with the XYZ color 80.9093, 94.0108,

49.4788.

Color Blindness Simulation

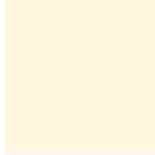
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



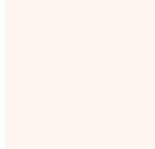
Original Color

80.9093, 94.0108, 49.4788



Protanopia

88.3980, 93.8310, 84.6863



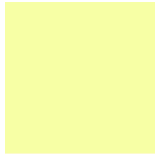
Deuteranopia

90.0808, 94.0135, 95.0600

Tritanopia

91.5138, 94.0142, 107.9310

Trichromacy



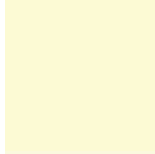
Original Color

80.9093, 94.0108, 49.4788



Protanomaly

85.4216, 94.0016, 70.1418



Deuteranomaly

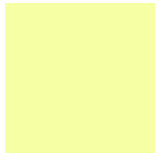
86.2142, 93.8201, 75.8525



Tritanomaly

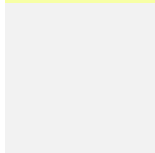
86.8442, 93.5345, 82.5840

Monochromacy



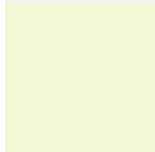
Original Color

80.9093, 94.0108, 49.4788



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.7066, 90.6097, 76.7486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9093, 94.0108, 49.4788 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 165) }
```

Border

The CSS property to change the border of an element to XYZ 80.9093, 94.0108, 49.4788 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, 165) }
```


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

```
.border{ border-color:rgb(247, 255, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9093, 94.0108, 49.4788 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, 165) }
```

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

```
.background{ background-color: rgb(247,  
255, 165) }
```

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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