

Converting Colors

XYZ(104.7406, 102.2655,
50.9643)

Have a look what the booklet for
XYZ(104.7406, 102.2655, 50.9643)
contains.

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Color

**XYZ(81.1708, 89.9616,
49.6454)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6A7
RGB	255, 246, 167
RGB Percent	100%, 96%, 65%
CMY	0.0000, 0.0353, 0.3451
CMYK	0.00, 0.04, 0.35, 0.00
HSL	54°, 100%, 83%
HSV	54°, 35%, 100%
XYZ	81.1708, 89.9616, 49.6454
YIQ	239.6850, 30.7230, -22.6610

Conversions

Conversions Part 2

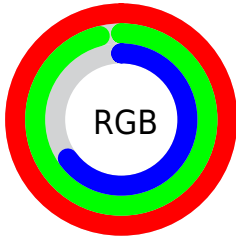
Format	Color
R_{YB}	177, 255, 167
Decimal	16774823
CIE _{Lab}	95.98, -8.30, 39.14
CIE _{LCh}	96, 40.006, 101.972
Yxy	89.9616, 0.3677, 0.4075
Android (android.graphics.Color)	4294964903 (0xFFFFF6A7)
YUV	239.6850, -35.8337, 13.4313
Hunter-Lab	94.8481, -13.2242, 35.3601

Details

The XYZ color **81.1708, 89.9616, 49.6454** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.5114, 46.4848, 100.9706**, and the grayscale version is **82.8346, 87.1484, 94.9046**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **44.4767, 49.9121, 23.2094** is the 20% darker color. If you saturate the color by 10%, you get **78.2558, 87.5393, 38.1680**, and if you desaturate by 10%, it is **84.5663, 92.6003, 63.5781**.

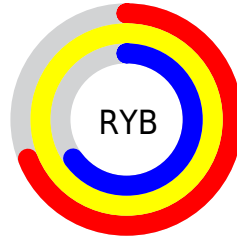
Distribution



Red (100%)

Green (96%)

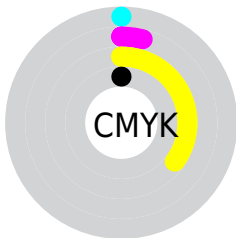
Blue (65%)



Red (69%)

Yellow (100%)

Blue (65%)

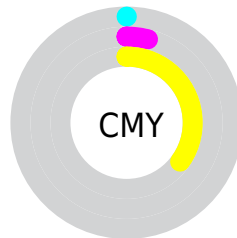


Cyan (0%)

Magenta (4%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.1708, 89.9616, 49.6454 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 81.1708, 89.9616, 49.6454 by changing the saturation by 10% instead.


 81.1708, 89.9616,
49.6454


 81.1708, 89.9616,
49.6454


487.5465,
527.9059, 401.9729

 60.9941, 67.9488,
34.7625


 133.9525,
147.2851, 91.0402

 44.4729, 49.8561,
23.1979


 167.2881,
183.3645, 118.3891

 31.2420, 35.2991,
14.5330


205.7407,
224.9016, 150.7305

 20.9359, 23.8933,
8.3494

249.6757,
272.2808, 188.4829

 13.1893, 15.2545,
4.2283

299.4585,
325.8864, 232.0647

 7.6370, 8.9982,
1.7514

355.4542,

 3.9134, 4.7400,

386.1029, 281.8947

0.3956

418.0285,
453.3146, 338.3912

■ 1.6532, 2.0955,
0.0000

■ 0.4267, 0.6621,
0.0000

■ 81.1708, 89.9616,
49.6454

■ 81.1708, 89.9616,
49.6454

■ 78.2558, 87.5393,
38.1680

■ 84.5663, 92.6003,
63.5781

■ 75.7870, 85.3100,
28.9958

■ 88.4608, 95.4532,
80.0933

■ 73.7363, 83.2656,
21.9709

■ 92.8799, 98.5340,
99.3161

■ 72.0695, 81.3924,
16.9132

95.0500, 100.0000,
108.9000

■ 70.7468, 79.6742,
13.6133

■ 69.7192, 78.0916,
11.8142

■ 69.2425, 77.2650,
11.2642

Harmonies

Analogous

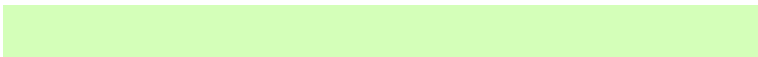
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.2558, 89.9616, 50.7112



81.1708, 89.9616, 49.6454



72.0606, 89.9616, 59.2988

Triad

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



81.1708, 89.9616, 49.6454



70.6529, 89.9616, 144.5783



107.3585, 89.9616, 118.0312

Complementary

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



81.1708, 89.9616, 49.6454



49.5114, 46.4848, 100.9706

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.



100.5274, 89.9616, 150.5550



81.1708, 89.9616, 49.6454



79.0933, 89.9616, 168.0118

Square

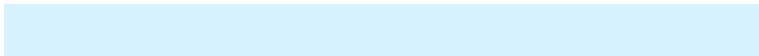
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1708, 89.9616, 49.6454



66.3479, 89.9616, 111.1346



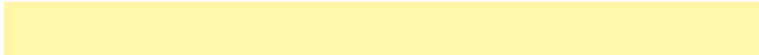
89.9925, 89.9616, 170.4086



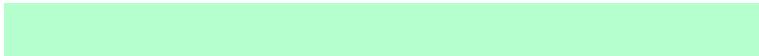
108.0364, 89.9616, 85.8570

Rectangle

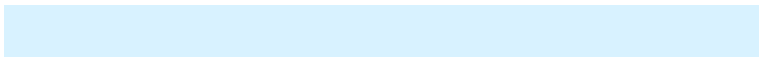
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1708, 89.9616, 49.6454



68.0778, 89.9616, 72.0362



89.9925, 89.9616, 170.4086



105.6800, 89.9616, 129.4414

Sweetspot

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



81.1731, 89.9657, 49.6473



90.3870, 96.8136, 88.4183



63.0218, 52.0834, 48.4671



19.2156, 20.6303, 18.3570



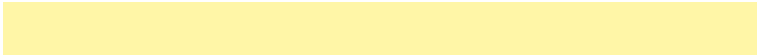
0.0000, 0.0000, 0.0000



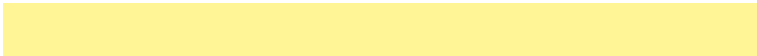
20.3446, 21.4041, 23.3091

Same Dimension

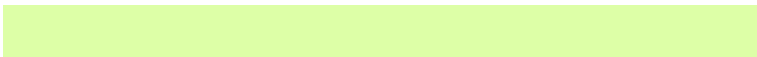
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1731, 89.9657, 49.6473



79.2269, 88.3677, 41.9255



72.6356, 89.7243, 50.0506



19.3933, 20.7547, 19.1283



36.2451, 40.5015, 5.9072



3.5729, 4.0312, 0.5898

Inverse Universe

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



49.5114, 46.4848, 100.9706



43.4791, 39.2837, 99.8987



55.8853, 47.2391, 100.7803



17.1523, 17.6763, 22.7578



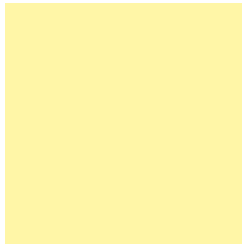
9.6737, 4.2570, 49.7464



0.9890, 0.5088, 4.8593

Previews

White Background



This preview shows how the XYZ color 81.1708, 89.9616, 49.6454 looks on a white background.

Color Contrast Check

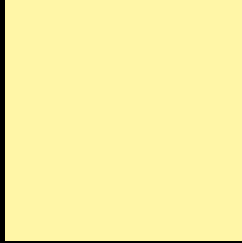
Large Text (above 18pt) WCAG AA × Fail

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 81.1708, 89.9616, 49.6454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

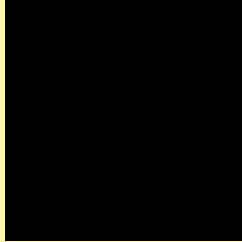
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.1708, 89.9616, 49.6454

Background



This preview shows how black text looks on a background with the XYZ color 81.1708, 89.9616, 49.6454.

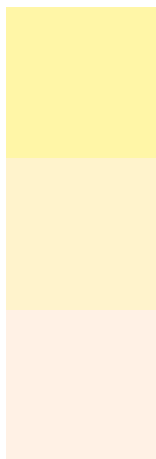


This preview shows how white text looks on a background with the XYZ color 81.1708, 89.9616,

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

81.1708, 89.9616, 49.6454

Protanopia

84.1897, 89.7208, 70.0073

Deuteranopia

86.8382, 89.8277, 86.8904



Tritanopia

89.2054, 89.8326, 102.2603

Trichromacy



Original Color

81.1708, 89.9616, 49.6454



Protanomaly

82.9947, 89.7230, 62.2342



Deuteranomaly

84.4312, 89.8174, 71.2790



Tritanomaly

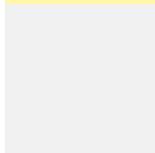
85.7783, 89.8787, 79.8452

Monochromacy



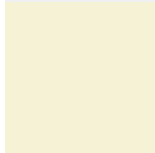
Original Color

81.1708, 89.9616, 49.6454



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

81.4186, 87.7208, 75.5914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1708, 89.9616, 49.6454 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(255, 246, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 167)  
}
```

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(255, 246, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 167) }
```

Border

The CSS property to change the border of an element to XYZ 81.1708, 89.9616, 49.6454 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(255, 246, 167) }
```


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

```
.border{ border-color:rgb(255, 246, 167) }
```

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

Here you see how a box with a 4 pixel rgb(255, 246, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1708, 89.9616, 49.6454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 167) }
```

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

```
.background{ background-color: rgb(255,  
246, 167) }
```

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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