

Converting Colors

XYZ(100.4869, 100.0000,
50.9755)

Have a look what the booklet for
XYZ(100.4869, 100.0000, 50.9755)
contains.

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Color

**XYZ(81.2637, 89.9987,
50.1342)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6A8
RGB	255, 246, 168
RGB Percent	100%, 96%, 66%
CMY	0.0000, 0.0353, 0.3412
CMYK	0.00, 0.04, 0.34, 0.00
HSL	54°, 100%, 83%
HSV	54°, 34%, 100%
XYZ	81.2637, 89.9987, 50.1342
YIQ	239.7990, 30.4020, -22.3500

Conversions

Conversions Part 2

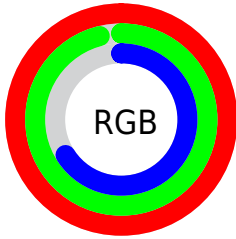
Format	Color
R_{YB}	178, 255, 168
Decimal	16774824
CIE _{Lab}	96.00, -8.18, 38.66
CIE _{LCh}	96, 39.516, 101.953
Yxy	89.9987, 0.3671, 0.4065
Android (android.graphics.Color)	4294964904 (0xFFFFF6A8)
YUV	239.7990, -35.3969, 13.3313
Hunter-Lab	94.8676, -13.1151, 35.0747

Details

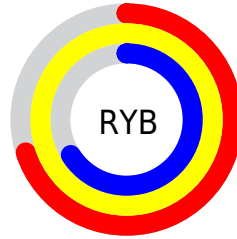
The XYZ color **81.2637, 89.9987, 50.1342** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.9203, 46.9878, 101.0462**, and the grayscale version is **82.9206, 87.2389, 95.0032**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **44.5339, 49.9350, 23.5109** is the 20% darker color. If you saturate the color by 10%, you get **78.3219, 87.5512, 38.5605**, and if you desaturate by 10%, it is **84.6871, 92.6634, 64.1688**.

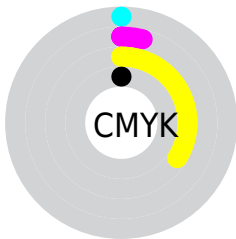
Distribution



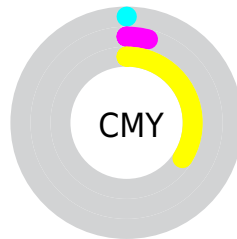
- Red (100%)
- Green (96%)
- Blue (66%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.2637, 89.9987, 50.1342 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 81.2637, 89.9987, 50.1342 by changing the saturation by 10% instead.


 81.2637, 89.9987,
50.1342

 81.2637, 89.9987,
50.1342


487.8534,
528.0266, 403.9406

 61.0708, 67.9796,
35.1481


 134.0822,
147.3366, 91.7720

 44.5351, 49.8811,
23.4925


167.4385,
183.4241, 119.2609

 31.2911, 35.3189,
14.7489


205.9134,
224.9699, 151.7543

 20.9735, 23.9087,
8.4987

249.8722,
272.3584, 189.6710

 13.2170, 15.2659,
4.3234

299.6802,
325.9739, 233.4295

 7.6562, 9.0062,
1.8044

355.7029,

 3.9257, 4.7452,

386.2008, 283.4482

0.4308

418.3055,
453.4236, 340.1457

■ 1.6602, 2.0986,
0.0000

■ 0.4311, 0.6638,
0.0000

■ 81.2637, 89.9987,
50.1342

■ 81.2637, 89.9987,
50.1342

■ 78.3219, 87.5512,
38.5605

■ 84.6871, 92.6634,
64.1688

■ 75.8277, 85.2978,
29.2980

■ 88.6108, 95.5432,
80.7909

■ 73.7532, 83.2303,
22.1894

■ 93.0603, 98.6518,
100.1254

■ 72.0643, 81.3350,
17.0557

95.0500, 100.0000,
108.9000

■ 70.7213, 79.5960,
13.6887

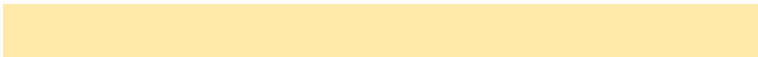
■ 69.6760, 77.9939,
11.8340

■ 69.1595, 77.0991,
11.2365

Harmonies

Analogous

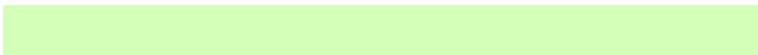
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.2151, 89.9987, 51.2004



81.2637, 89.9987, 50.1342



72.2523, 89.9987, 59.7163

Triad

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



81.2637, 89.9987, 50.1342



70.8506, 89.9987, 143.9652



107.1087, 89.9987, 117.8370

Complementary

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



81.2637, 89.9987, 50.1342



49.9203, 46.9878, 101.0462

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.



100.3668, 89.9987, 149.8884



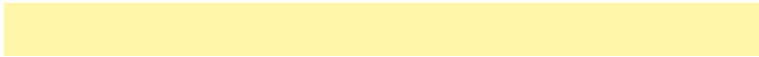
81.2637, 89.9987, 50.1342



79.1971, 89.9987, 167.0457

Square

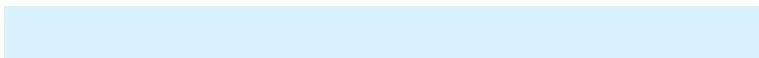
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2637, 89.9987, 50.1342



66.5921, 89.9987, 110.9890



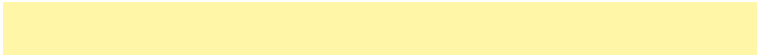
89.9659, 89.9987, 169.4187



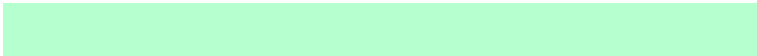
107.7815, 89.9987, 86.0538

Rectangle

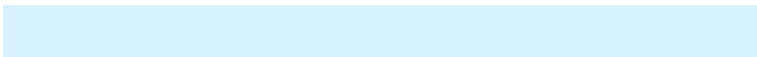
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2637, 89.9987, 50.1342



68.3088, 89.9987, 72.3409



89.9659, 89.9987, 169.4187



105.4521, 89.9987, 129.0892

Sweetspot

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



81.2659, 90.0027, 50.1361



90.3776, 96.7947, 88.4151



63.2943, 52.4866, 48.9946



19.2133, 20.6257, 18.3562



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

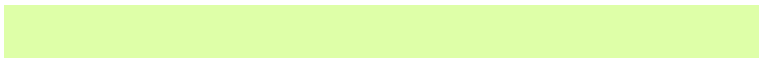
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2659, 90.0027, 50.1361



79.1898, 88.2935, 41.9131



72.8455, 89.8218, 50.5449



19.3913, 20.7509, 19.1276



36.2024, 40.4160, 5.8930



3.5692, 4.0237, 0.5885

Inverse Universe

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



49.9203, 46.9878, 101.0462



43.5007, 39.3268, 99.9058



56.2351, 47.6924, 100.8494



17.1541, 17.6798, 22.7584



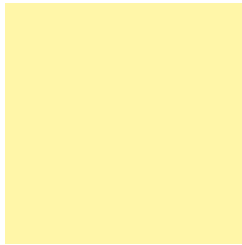
9.6776, 4.2649, 49.7477



0.9898, 0.5104, 4.8596

Previews

White Background



This preview shows how the XYZ color 81.2637, 89.9987, 50.1342 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 81.2637, 89.9987, 50.1342 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 81.2637, 89.9987, 50.1342

Background



This preview shows how black text looks on a background with the XYZ color 81.2637, 89.9987, 50.1342.



This preview shows how white text looks on a background with the XYZ color 81.2637, 89.9987,

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

81.2637, 89.9987, 50.1342

Protanopia

84.1897, 89.7208, 70.0073

Deuteranopia

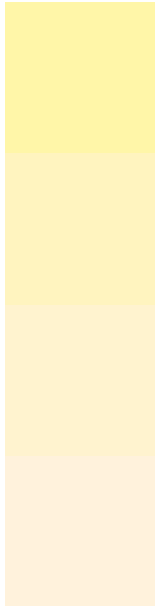
86.8382, 89.8277, 86.8904



Tritanopia

89.2054, 89.8326, 102.2603

Trichromacy



Original Color

81.2637, 89.9987, 50.1342

Protanomaly

82.9947, 89.7230, 62.2342

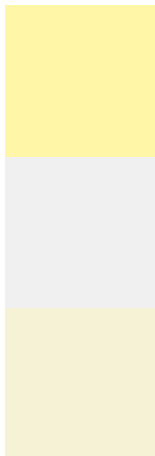
Deuteranomaly

84.5531, 89.8662, 71.9210

Tritanomaly

85.9104, 89.9316, 80.5407

Monochromacy



Original Color

81.2637, 89.9987, 50.1342

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.5459, 87.7718, 76.2620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2637, 89.9987, 50.1342 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 168) }
```

Border

The CSS property to change the border of an element to XYZ 81.2637, 89.9987, 50.1342 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, 168) }
```


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

```
.border{ border-color:rgb(255, 246, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2637, 89.9987, 50.1342 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, 168) }
```

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

```
.background{ background-color: rgb(255,  
246, 168) }
```

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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