

Converting Colors

XYZ(82.7408, 93.3056, 49.5397)

Have a look what the booklet for
XYZ(82.7408, 93.3056, 49.5397)
contains.

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Color

**XYZ(82.9333, 93.6340,
49.7785)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFFCA6 |
| RGB | 255, 252, 166 |
| RGB Percent | 100%, 99%, 65% |
| CMY | 0.0000, 0.0117, 0.3490 |
| CMYK | 0.00, 0.01, 0.35, 0.00 |
| HSL | 58°, 100%, 83% |
| HSV | 58°, 35%, 100% |
| XYZ | 82.9333, 93.6340, 49.7785 |
| YIQ | 243.0930, 29.3940, -26.1100 |

Conversions

Conversions Part 2

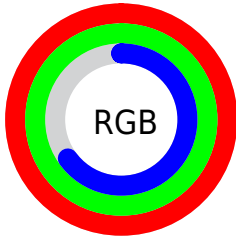
| Format | Color |
|--|---|
| RYB | 169, 255, 166 |
| Decimal | 16776358 |
| CIELab | 97.48, -11.37, 41.59 |
| CIElCh | 97, 43.117, 105.290 |
| Yxy | 93.6340, 0.3664, 0.4137 |
| Android (android.graphics.Color) | 4294966438 (0xFFFFFCA6) |
| YUV | 243.0930, -38.0068, 10.4424 |
| Hunter-Lab | 96.7647, -16.3526, 37.2348 |

Details

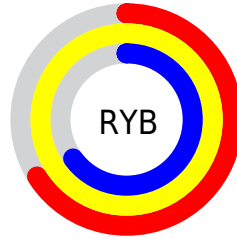
The XYZ color **82.9333, 93.6340, 49.7785** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.9636, 43.7016, 100.5150**, and the grayscale version is **85.5442, 89.9991, 98.0091**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **45.7465, 52.5424, 23.3534** is the 20% darker color. If you saturate the color by 10%, you get **80.5545, 92.2558, 38.5672**, and if you desaturate by 10%, it is **85.7818, 95.2086, 63.4366**.

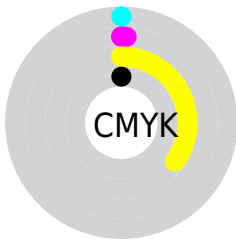
Distribution



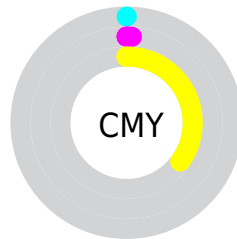
- Red (100%)
- Green (99%)
- Blue (65%)



- Red (66%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (1%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.9333, 93.6340, 49.7785 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 82.9333, 93.6340, 49.7785 by changing the saturation by 10% instead.


 82.9333, 93.6340,
49.7785


 82.9333, 93.6340,
49.7785


493.3515,
539.7826, 402.5093

 62.4519, 70.9986,
34.8675


 136.4110,
152.3761, 91.2395

 45.6549, 52.3410,
23.2781


 170.1381,
189.2515, 118.6266

 32.1770, 37.2770,
14.5917


209.0110,
231.6424, 151.0095

 21.6530, 25.4220,
8.3899

253.3951,
279.9331, 188.8067

 13.7173, 16.3918,
4.2541

303.6559,
334.5081, 232.4367

 8.0047, 9.8018,
1.7658

360.1587,

 4.1498, 5.2677,

395.7518, 282.3181

0.4052

423.2687,
464.0485, 338.8695

■ 1.7872, 2.4052,
0.0000

■ 0.5099, 0.8286,
0.0000

■ 82.9333, 93.6340,
49.7785

■ 82.9333, 93.6340,
49.7785

■ 80.5545, 92.2558,
38.5672

■ 85.7818, 95.2086,
63.4366

■ 78.6109, 91.0503,
29.6517

■ 89.1183, 96.9771,
79.6688

■ 77.0742, 90.0096,
22.8736

■ 92.9686, 98.9531,
98.6006

■ 75.9103, 89.1198,
18.0518

95.0500, 100.0000,
108.9000

■ 75.0789, 88.3650,
14.9756

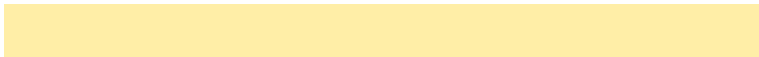
■ 74.5309, 87.7255,
13.3854

■ 74.3247, 87.4295,
12.9582

Harmonies

Analogous

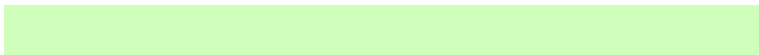
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.1067, 93.6340, 49.6689



82.9333, 93.6340, 49.7785



73.2971, 93.6340, 61.5064

Triad

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



82.9333, 93.6340, 49.7785



73.4454, 93.6340, 157.7438



113.7546, 93.6340, 120.0409

Complementary

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



82.9333, 93.6340, 49.7785



47.9636, 43.7016, 100.5150

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.



106.7910, 93.6340, 157.0983



82.9333, 93.6340, 49.7785



83.1534, 93.6340, 182.0234

Square

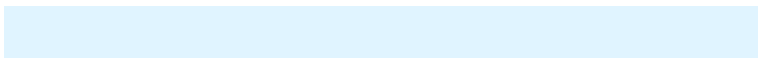
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9333, 93.6340, 49.7785



68.1710, 93.6340, 120.7784



95.3478, 93.6340, 181.7633



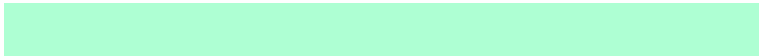
113.6819, 93.6340, 85.1904

Rectangle

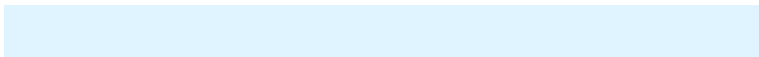
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9333, 93.6340, 49.7785



69.2835, 93.6340, 76.2930



95.3478, 93.6340, 181.7633



112.1329, 93.6340, 132.8005

Sweetspot

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



82.9356, 93.6382, 49.7805



90.9398, 97.9191, 88.6025



62.1752, 51.4528, 44.9094



19.3503, 20.8998, 18.4019



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

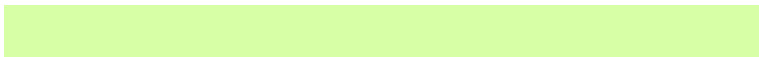
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9356, 93.6382, 49.7805



81.1990, 92.6382, 41.5768



70.6531, 88.7129, 49.4771



19.5058, 20.9797, 19.1658



38.8596, 45.7305, 6.7788



3.7994, 4.4842, 0.6653

Inverse Universe

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



47.9636, 43.7016, 100.5150



41.3922, 35.8017, 99.3366



57.1545, 47.6225, 100.7874



17.0520, 17.4756, 22.7243



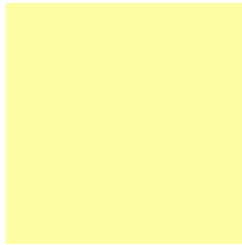
9.5013, 3.9122, 49.6889



0.9416, 0.4139, 4.8435

Previews

White Background



This preview shows how the XYZ color 82.9333, 93.6340, 49.7785 looks on a white background.

Color Contrast Check

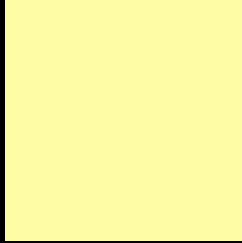
Large Text (above 18pt) WCAG AA × Fail

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 82.9333, 93.6340, 49.7785 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 82.9333, 93.6340, 49.7785

Background



This preview shows how black text looks on a background with the XYZ color 82.9333, 93.6340, 49.7785.



This preview shows how white text looks on a background with the XYZ color 82.9333, 93.6340,

49.7785.

Color Blindness Simulation

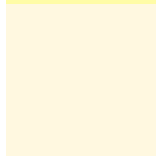
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



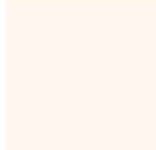
Original Color

82.9333, 93.6340, 49.7785



Protanopia

88.2619, 93.7766, 83.9698



Deuteranopia

89.7758, 93.4035, 94.9583



Tritanopia

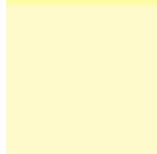
91.4631, 93.5931, 105.3401

Trichromacy



Original Color

82.9333, 93.6340, 49.7785



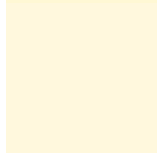
Protanomaly

85.8952, 93.3232, 69.9859



Deuteranomaly

86.6911, 93.1483, 75.6977



Tritanomaly

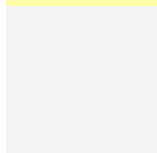
87.8585, 93.6153, 81.8455

Monochromacy



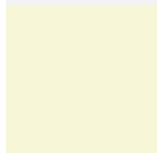
Original Color

82.9333, 93.6340, 49.7785



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.5793, 90.5920, 77.3709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.9333, 93.6340, 49.7785 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, 252, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 166)  
}
```

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, 252, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 166) }
```

Border

The CSS property to change the border of an element to XYZ 82.9333, 93.6340, 49.7785 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, 252, 166) }
```


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

```
.border{ border-color:rgb(255, 252, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 82.9333, 93.6340, 49.7785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 166) }
```

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

```
.background{ background-color: rgb(255,  
252, 166) }
```

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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