

# Converting Colors

XYZ(95.0157, 100.0653,  
50.0677)

Have a look what the booklet for  
XYZ(95.0157, 100.0653, 50.0677)  
contains.

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# Color

**XYZ(82.8419, 93.5974,  
49.2972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCA5
RGB	255, 252, 165
RGB Percent	100%, 99%, 65%
CMY	0.0000, 0.0117, 0.3529
CMYK	0.00, 0.01, 0.35, 0.00
HSL	58°, 100%, 82%
HSV	58°, 35%, 100%
XYZ	82.8419, 93.5974, 49.2972
YIQ	242.9790, 29.7150, -26.4210

# Conversions

## Conversions Part 2

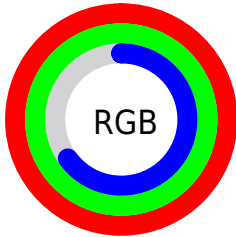
Format	Color
<a href="#">RYB</a>	<a href="#">168, 255, 165</a>
Decimal	<a href="#">16776357</a>
CIELab	<a href="#">97.47, -11.48, 42.06</a>
CIELCh	<a href="#">97, 43.602, 105.268</a>
Yxy	<a href="#">93.5974, 0.3670, 0.4146</a>
Android (android.graphics.Color)	<a href="#">4294966437</a> ( <a href="#">0xFFFFFCA5</a> )
YUV	<a href="#">242.9790, -38.4436, 10.5424</a>
Hunter-Lab	<a href="#">96.7457, -16.4583, 37.5106</a>

# Details

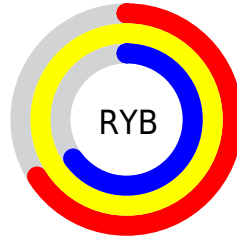
The XYZ color **82.8419, 93.5974, 49.2972** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.5695, 43.2234, 100.4435**, and the grayscale version is **85.4565, 89.9069, 97.9086**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **45.6905, 52.5200, 23.0585** is the 20% darker color. If you saturate the color by 10%, you get **80.4837, 92.2322, 38.1798**, and if you desaturate by 10%, it is **85.6687, 95.1586, 62.8560**.

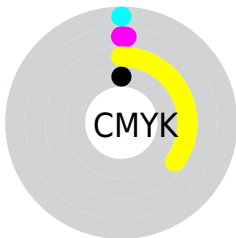
# Distribution



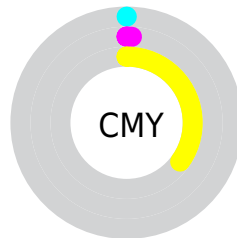
- Red (100%)
- Green (99%)
- Blue (65%)



- 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 82.8419, 93.5974, 49.2972 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 82.8419, 93.5974, 49.2972 by changing the saturation by 10% instead.




 82.8419, 93.5974,  
49.2972


 82.8419, 93.5974,  
49.2972


493.0514,  
539.6649, 400.5672

 62.3762, 70.9681,  
34.4880


 136.2837,  
152.3254, 90.5183

 45.5935, 52.3162,  
22.9884


 169.9905,  
189.1930, 117.7672

 32.1284, 37.2572,  
14.3797


208.8417,  
231.5754, 149.9999

 21.6156, 25.4067,  
8.2435

253.2027,  
279.8572, 187.6347

 13.6898, 16.3803,  
4.1611

303.4388,  
334.4226, 231.0904

 7.9855, 9.7937,  
1.7142

359.9154,

 4.1374, 5.2624,

395.6561, 280.7853

0.3704

422.9978,  
463.9421, 337.1381

■ 1.7801, 2.4020,  
0.0000

■ 0.5057, 0.8269,  
0.0000

■ 82.8419, 93.5974,  
49.2972

■ 82.8419, 93.5974,  
49.2972

■ 80.4837, 92.2322,  
38.1798

■ 85.6687, 95.1586,  
62.8560

■ 78.5595, 91.0392,  
29.3522

■ 88.9826, 96.9132,  
78.9838

■ 77.0410, 90.0104,  
22.6553

■ 92.8093, 98.8748,  
97.8065

■ 75.8938, 89.1319,  
17.9072

95.0500, 100.0000,  
108.9000

■ 75.0773, 88.3877,  
14.8955

■ 74.5420, 87.7578,  
13.3581

■ 74.3537, 87.4874,  
12.9679

# Harmonies

## Analogous

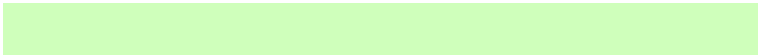
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.1500, 93.5974, 49.1954



82.8419, 93.5974, 49.2972



73.1069, 93.5974, 61.0844

# Triad

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



82.8419, 93.5974, 49.2972



73.2453, 93.5974, 158.3881



114.0129, 93.5974, 120.2397

# Complementary

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



82.8419, 93.5974, 49.2972



47.5695, 43.2234, 100.4435

# 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.



106.9571, 93.5974, 157.7832



82.8419, 93.5974, 49.2972



83.0474, 93.5974, 183.0370

# Square

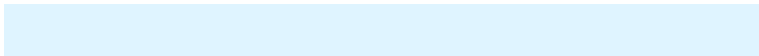
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8419, 93.5974, 49.2972



67.9262, 93.5974, 120.9295



95.3753, 93.5974, 182.7930

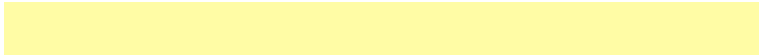


113.9449, 93.5974, 85.0001

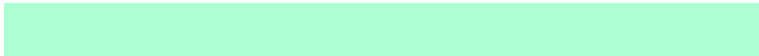


# Rectangle

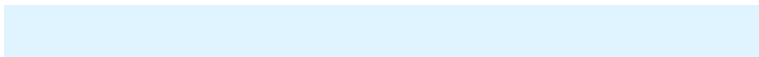
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8419, 93.5974, 49.2972



69.0539, 93.5974, 75.9795



95.3753, 93.5974, 182.7930



112.3688, 93.5974, 133.1601

# Sweetspot

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



82.8442, 93.6016, 49.2992



90.5613, 97.7295, 86.7275



61.7637, 50.9985, 43.6354



19.2749, 20.8621, 18.0282



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

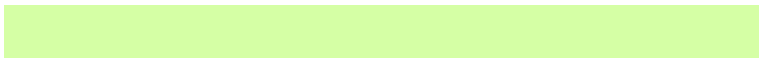
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8442, 93.6016, 49.2992



81.2115, 92.6632, 41.5810



69.9927, 88.3830, 48.9692



19.5064, 20.9809, 19.1660



38.8745, 45.7603, 6.7837



3.8007, 4.4867, 0.6657



# Inverse Universe

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



47.5695, 43.2234, 100.4435



41.3858, 35.7889, 99.3344



57.2381, 47.3968, 100.7394



17.0514, 17.4745, 22.7242



9.5006, 3.9107, 49.6887



0.9413, 0.4134, 4.8434



# Previews

## White Background



This preview shows how the XYZ color 82.8419, 93.5974, 49.2972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

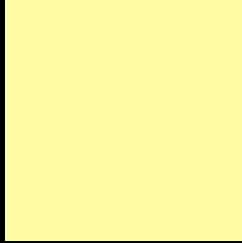
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.8419, 93.5974, 49.2972 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 82.8419, 93.5974, 49.2972**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.8419, 93.5974, 49.2972.



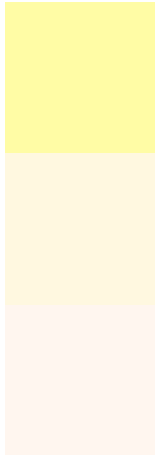
This preview shows how white text looks on a background with the XYZ color 82.8419, 93.5974,



# 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

82.8419, 93.5974, 49.2972

### Protanopia

88.2619, 93.7766, 83.9698

### Deuteranopia

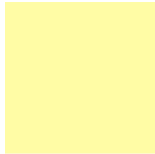
89.7758, 93.4035, 94.9583



## Tritanopia

91.4631, 93.5931, 105.3401

# Trichromacy



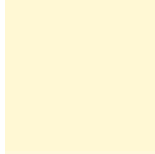
## Original Color

82.8419, 93.5974, 49.2972



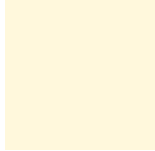
## Protanomaly

85.8952, 93.3232, 69.9859



## Deuteranomaly

86.6911, 93.1483, 75.6977



## Tritanomaly

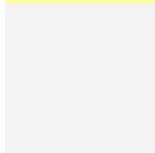
87.7257, 93.5621, 81.1458

# Monochromacy



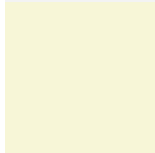
## Original Color

82.8419, 93.5974, 49.2972



## 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 82.8419, 93.5974, 49.2972 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 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(255, 252, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 82.8419, 93.5974, 49.2972 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, 165) }
```



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

```
.border{ border-color:rgb(255, 252, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.8419, 93.5974, 49.2972 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, 165) }
```

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

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