

# Converting Colors

XYZ(82.6235, 92.8554, 50.1650)

Have a look what the booklet for  
XYZ(82.6235, 92.8554, 50.1650)  
contains.

<b>XYZ(82.7122, 93.0444, 50.1592)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(82.7122, 93.0444,  
50.1592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBA7
RGB	255, 251, 167
RGB Percent	100%, 98%, 65%
CMY	0.0000, 0.0157, 0.3451
CMYK	0.00, 0.02, 0.35, 0.00
HSL	57°, 100%, 83%
HSV	57°, 35%, 100%
XYZ	82.7122, 93.0444, 50.1592
YIQ	242.6200, 29.3480, -25.2760

# Conversions

## Conversions Part 2

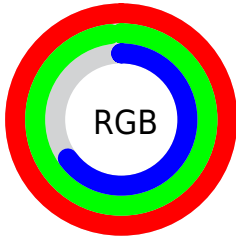
Format	Color
<a href="#">RYB</a>	<a href="#">171, 255, 167</a>
Decimal	<a href="#">16776103</a>
CIELab	<a href="#">97.25, -10.77, 40.79</a>
CIELCh	<a href="#">97, 42.184, 104.787</a>
Yxy	<a href="#">93.0444, 0.3661, 0.4119</a>
Android (android.graphics.Color)	<a href="#">4294966183 (0xFFFFFBA7)</a>
YUV	<a href="#">242.6200, -37.2807, 10.8573</a>
Hunter-Lab	<a href="#">96.4595, -15.7438, 36.6907</a>

# Details

The XYZ color **82.7122, 93.0444, 50.1592** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.5490, 44.5600, 100.6498**, and the grayscale version is **85.1619, 89.5970, 97.5711**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **45.5783, 52.1154, 23.5766** is the 20% darker color. If you saturate the color by 10%, you get **80.2240, 91.4758, 38.8242**, and if you desaturate by 10%, it is **85.6721, 94.8118, 63.9468**.

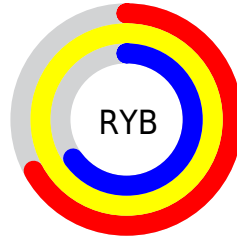
# Distribution



Red (100%)

Green (98%)

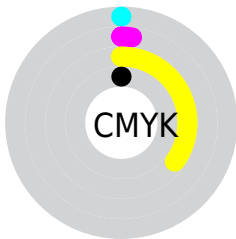
Blue (65%)



Red (67%)

Yellow (100%)

Blue (65%)

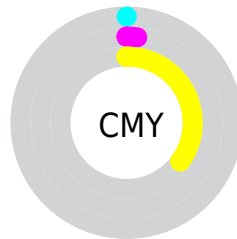


Cyan (0%)

Magenta (2%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7122, 93.0444, 50.1592 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 82.7122, 93.0444, 50.1592 by changing the saturation by 10% instead.





 82.7122, 93.0444,  
50.1592


 82.7122, 93.0444,  
50.1592


492.6253,  
537.8852, 404.0411

 62.2689, 70.5084,  
35.1678


 136.1029,  
151.5601, 91.8094

 45.5064, 51.9411,  
23.5076


 169.7810,  
188.3086, 119.3054

 32.0595, 36.9581,  
14.7600


208.6014,  
230.5633, 151.8067

 21.5627, 25.1751,  
8.5063

252.9295,  
278.7088, 189.7317

 13.6507, 16.2075,  
4.3282

303.1305,  
333.1293, 233.4992

 7.9582, 9.6711,  
1.8071

359.5699,

 4.1198, 5.1815,

394.2093, 283.5275

0.4326

422.6131,  
462.3331, 340.2353

■ 1.7701, 2.3541,  
0.0000

■ 0.4996, 0.8021,  
0.0000

■ 82.7122, 93.0444,  
50.1592

■ 82.7122, 93.0444,  
50.1592

■ 80.2240, 91.4758,  
38.8242

■ 85.6721, 94.8118,  
63.9468

■ 78.1732, 90.0823,  
29.7913

■ 89.1219, 96.7755,  
80.3138

■ 76.5316, 88.8561,  
22.9027

■ 93.0874, 98.9490,  
99.3853

■ 75.2650, 87.7834,  
17.9784

95.0500, 100.0000,  
108.9000

■ 74.3338, 86.8483,  
14.8090

■ 73.6891, 86.0314,  
13.1374

■ 73.4189, 85.6178,  
12.6563

# Harmonies

## Analogous

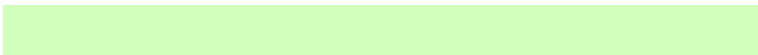
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.5899, 93.0444, 50.2383



82.7122, 93.0444, 50.1592



73.2471, 93.0444, 61.4865

# Triad

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



82.7122, 93.0444, 50.1592



73.1408, 93.0444, 154.9661



112.4568, 93.0444, 119.5357

# Complementary

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



82.7122, 93.0444, 50.1592



48.5490, 44.5600, 100.6498

# 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.



105.5914, 93.0444, 155.4249



82.7122, 93.0444, 50.1592



82.5548, 93.0444, 178.8007

# Square

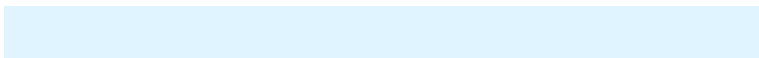
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7122, 93.0444, 50.1592



68.0680, 93.0444, 119.0099



94.4178, 93.0444, 178.9853



112.5086, 93.0444, 85.4575

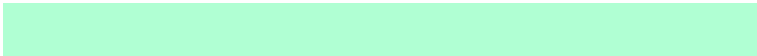


# Rectangle

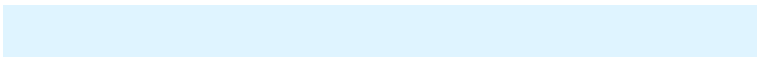
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7122, 93.0444, 50.1592



69.2718, 93.0444, 75.8330



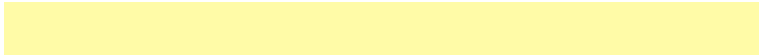
94.4178, 93.0444, 178.9853



110.8438, 93.0444, 131.9349

# Sweetspot

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



82.7145, 93.0486, 50.1611



90.8447, 97.7290, 88.5709



62.4483, 51.8540, 45.4470



19.3271, 20.8534, 18.3941



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

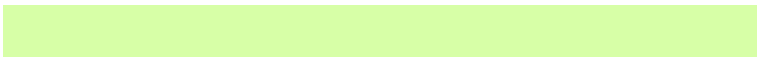
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7145, 93.0486, 50.1611



81.0464, 92.0067, 42.5320



70.8775, 88.8179, 49.9684



19.4864, 20.9410, 19.1593



38.3940, 44.7992, 6.6235



3.7593, 4.4039, 0.6519



# Inverse Universe

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



48.5490, 44.5600, 100.6498



42.4644, 37.2543, 99.5604



57.4901, 48.0664, 100.8554



17.0691, 17.5098, 22.7300



9.5257, 3.9610, 49.6971

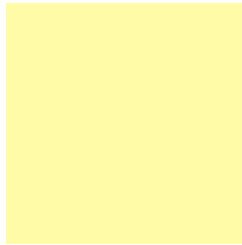


0.9497, 0.4301, 4.8462



# Previews

## White Background



This preview shows how the XYZ color 82.7122, 93.0444, 50.1592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

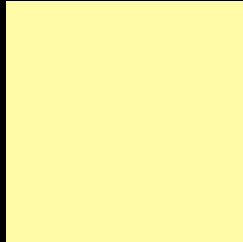
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.7122, 93.0444, 50.1592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

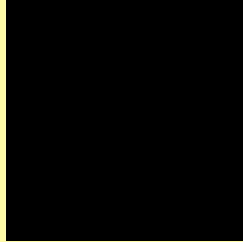
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.7122, 93.0444, 50.1592

## Background



This preview shows how black text looks on a background with the XYZ color 82.7122, 93.0444, 50.1592.



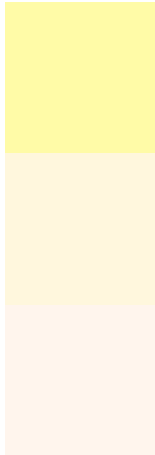
This preview shows how white text looks on a background with the XYZ color 82.7122, 93.0444,



# 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

82.7122, 93.0444, 50.1592

### Protanopia

87.5519, 93.0020, 81.7433

### Deuteranopia

89.1785, 92.6792, 93.3094



## Tritanopia

91.1614, 92.9896, 105.2395

# Trichromacy



## Original Color

82.7122, 93.0444, 50.1592



## Protanomaly

85.3500, 92.6118, 68.6358



## Deuteranomaly

86.3844, 92.5350, 75.5954



## Tritanomaly

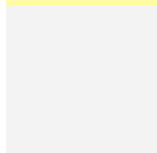
87.5519, 93.0020, 81.7433

# Monochromacy



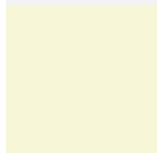
## Original Color

82.7122, 93.0444, 50.1592



## 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 82.7122, 93.0444, 50.1592 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, 251, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 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, 251, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 82.7122, 93.0444, 50.1592 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, 251, 167) }
```



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

```
.border{ border-color:rgb(255, 251, 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, 251, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.7122, 93.0444, 50.1592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 167) }
```

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

```
.background{ background-color: rgb(255,  
251, 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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