

# Converting Colors

XYZ(110.4132, 100.0000,  
37.5476)

Have a look what the booklet for  
XYZ(110.4132, 100.0000, 37.5476)  
contains.

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# **Color**

**XYZ(75.2503, 81.9406,  
35.8948)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8A8
RGB	255, 234, 138
RGB Percent	100%, 92%, 54%
CMY	0.0000, 0.0823, 0.4588
CMYK	0.00, 0.08, 0.46, 0.00
HSL	49°, 100%, 77%
HSV	49°, 46%, 100%
XYZ	75.2503, 81.9406, 35.8948
YIQ	229.3350, 43.3320, -25.4040

# Conversions

## Conversions Part 2

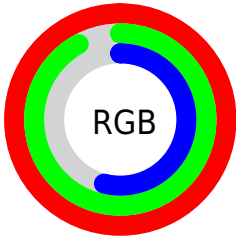
Format	Color
<a href="#">RYB</a>	<a href="#">164, 255, 138</a>
Decimal	<a href="#">16771722</a>
CIELab	<a href="#">92.55, -5.33, 48.99</a>
CIELCh	<a href="#">93, 49.280, 96.210</a>
Yxy	<a href="#">81.9406, 0.3897, 0.4244</a>
Android (android.graphics.Color)	<a href="#">4294961802 (0xFFFFEA8A)</a>
YUV	<a href="#">229.3350, -45.0282, 22.5082</a>
Hunter-Lab	<a href="#">90.5210, -10.0245, 39.8541</a>

# Details

The XYZ color **75.2503, 81.9406, 35.8948** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.9292, 37.4185, 99.6729**, and the grayscale version is **75.0237, 78.9308, 85.9557**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **40.3651, 44.2484, 15.2174** is the 20% darker color. If you saturate the color by 10%, you get **72.3314, 78.7185, 26.8584**, and if you desaturate by 10%, it is **78.6403, 85.4110, 47.2282**.

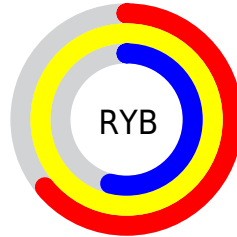
# Distribution



Red (100%)

Green (92%)

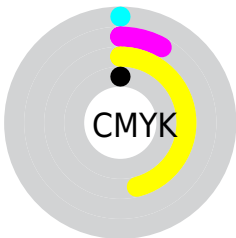
Blue (54%)



Red (64%)

Yellow (100%)

Blue (54%)

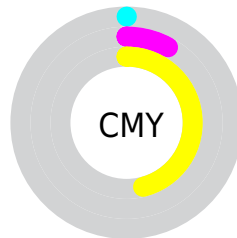


Cyan (0%)

Magenta (8%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2503, 81.9406, 35.8948 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 75.2503, 81.9406, 35.8948 by changing the saturation by 10% instead.





 75.2503, 81.9406,  
35.8948

 75.2503, 81.9406,  
35.8948


467.7614,  
501.4490, 343.5240


 56.1129, 61.3166,  
24.0639


 125.6526,  
136.0907, 70.0369

 40.5308, 44.4807,  
15.1684


 157.6482,  
170.3856, 93.1851

 28.1387, 31.0486,  
8.7897

 194.6606,  
210.0062, 120.9430

 18.5712, 20.6359,  
4.5093

237.0551,  
255.3369, 153.7288

 11.4630, 12.8581,  
1.9087

285.1970,  
306.7621, 191.9613

 6.4488, 7.3309,  
0.4983

339.4518,

 3.1631, 3.6699,

364.6663, 236.0590

0.0000

400.1848,  
429.4338, 286.4404

■ 1.2406, 1.4907,  
0.0000

■ 0.1380, 0.2821,  
0.0000

■ 75.2503, 81.9406,  
35.8948

■ 75.2503, 81.9406,  
35.8948

■ 72.3314, 78.7185,  
26.8584

■ 78.6403, 85.4110,  
47.2282

■ 69.8465, 75.7204,  
19.9516

■ 82.5234, 89.1299,  
61.0001

■ 67.7626, 72.9357,  
14.9928

■ 86.9273, 93.1117,  
77.3463

■ 66.0386, 70.3477,  
11.7672

■ 91.8760, 97.3664,  
96.3915

■ 64.6238, 67.9355, 95.0500, 100.0000,  
10.0085 108.9000

■ 64.1003, 66.9808,  
9.5501

# Harmonies

## Analogous

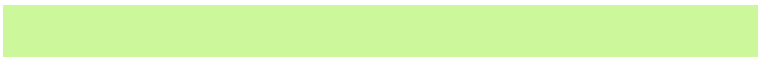
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2369, 81.9406, 39.0197



75.2503, 81.9406, 35.8948



64.2301, 81.9406, 43.5791

# Triad

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



75.2503, 81.9406, 35.8948



59.6656, 81.9406, 137.6667



102.6401, 81.9406, 120.7764

# Complementary

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



75.2503, 81.9406, 35.8948



40.9292, 37.4185, 99.6729

# 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.



93.3431, 81.9406, 159.0233



75.2503, 81.9406, 35.8948



68.3709, 81.9406, 170.4960

# Square

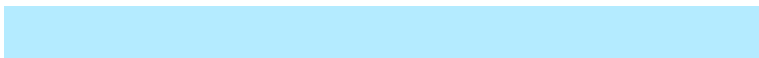
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.2503, 81.9406, 35.8948



55.8896, 81.9406, 97.0624



80.5745, 81.9406, 179.2262



104.9979, 81.9406, 81.8107

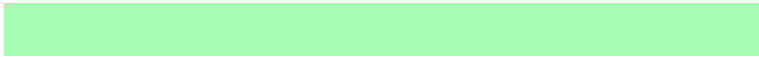


# Rectangle

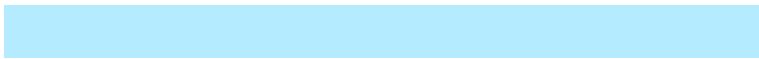
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.2503, 81.9406, 35.8948



59.1679, 81.9406, 55.4824



80.5745, 81.9406, 179.2262



100.1768, 81.9406, 134.4367

# Sweetspot

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



75.2523, 81.9444, 35.8965



87.8161, 93.8910, 80.7195



56.6262, 41.9567, 38.1210



18.5784, 19.9054, 16.4509



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

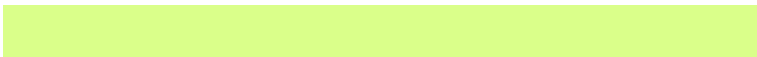
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2523, 81.9444, 35.8965



72.5709, 78.9935, 27.5667



69.2463, 88.2528, 37.4307



19.2677, 20.5036, 19.0864



33.5944, 35.2001, 5.0237



3.3401, 3.5655, 0.5122



# Inverse Universe

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



40.9292, 37.4185, 99.6729



34.4532, 29.5795, 98.5013



44.8297, 34.5177, 98.9074



17.2665, 17.9047, 22.7959



10.0126, 4.9349, 49.8594



1.0431, 0.6169, 4.8774



# Previews

## White Background



This preview shows how the XYZ color 75.2503, 81.9406, 35.8948 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

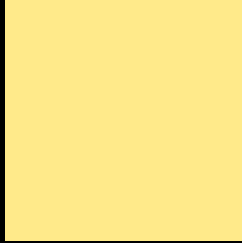
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2503, 81.9406, 35.8948 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 75.2503, 81.9406, 35.8948

## Background



This preview shows how black text looks on a background with the XYZ color 75.2503, 81.9406, 35.8948.



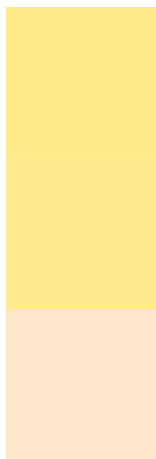
This preview shows how white text looks on a background with the XYZ color 75.2503, 81.9406,



# 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

75.2503, 81.9406, 35.8948

### Protanopia

75.6207, 82.0888, 37.8457

### Deuteranopia

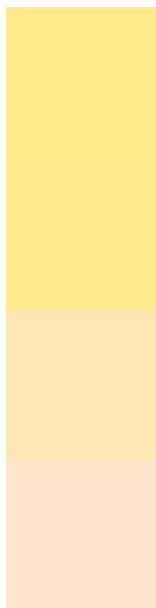
80.0388, 81.6104, 68.0338



## Tritanopia

83.7224, 81.7671, 91.4908

# Trichromacy



## Original Color

75.2503, 81.9406, 35.8948

## Protanomaly

75.4705, 82.0287, 37.0547

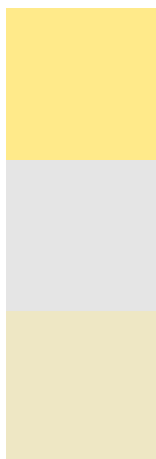
## Deuteranomaly

77.9526, 81.6665, 54.3025

## Tritanomaly

79.8019, 81.5157, 66.7864

# Monochromacy



## Original Color

75.2503, 81.9406, 35.8948

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

73.7996, 79.3145, 63.6441

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2503, 81.9406, 35.8948 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, 234, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 138)  
}
```

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, 234, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2503, 81.9406, 35.8948 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, 234, 138) }
```



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

```
.border{ border-color:rgb(255, 234, 138) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2503, 81.9406, 35.8948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 138) }
```

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

```
.background{ background-color: rgb(255,  
234, 138) }
```

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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