

# Converting Colors

XYZ(107.8579, 100.0000,  
38.8531)

Have a look what the booklet for  
XYZ(107.8579, 100.0000, 38.8531)  
contains.

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# Color

**XYZ(76.3319, 83.7515,  
37.3418)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FFED8D                      |
| RGB         | 255, 237, 141               |
| RGB Percent | 100%, 93%, 55%              |
| CMY         | 0.0000, 0.0706, 0.4470      |
| CMYK        | 0.00, 0.07, 0.45, 0.00      |
| HSL         | 51°, 100%, 78%              |
| HSV         | 51°, 45%, 100%              |
| XYZ         | 76.3319, 83.7515, 37.3418   |
| YIQ         | 231.4380, 41.5440, -26.0400 |

# Conversions

## Conversions Part 2

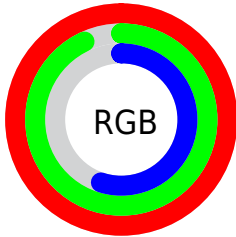
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| <a href="#">RYB</a>                 | 162, 255, 141                  |
| Decimal                             | 16772493                       |
| CIELab                              | 93.34, -6.55, 48.53            |
| CIELCh                              | 93, 48.967, 97.683             |
| Yxy                                 | 83.7515, 0.3866,<br>0.4242     |
| Android<br>(android.graphics.Color) | 4294962573<br>(0xFFFFED8D)     |
| YUV                                 | 231.4380, -44.5859,<br>20.6639 |
| Hunter-Lab                          | 91.5158, -11.2687,<br>39.8686  |

# Details

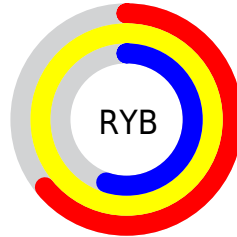
The XYZ color **76.3319, 83.7515, 37.3418** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.4323, 37.6777, 99.6963**, and the grayscale version is **76.5843, 80.5726, 87.7436**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **41.0920, 45.5048, 16.0687** is the 20% darker color. If you saturate the color by 10%, you get **73.4972, 80.7769, 28.0895**, and if you desaturate by 10%, it is **79.6337, 86.9609, 48.9066**.

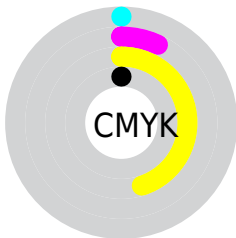
# Distribution



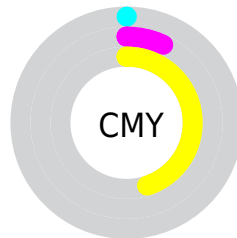
- Red (100%)
- Green (93%)
- Blue (55%)



- Red (64%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (7%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3319, 83.7515, 37.3418 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 76.3319, 83.7515, 37.3418 by changing the saturation by 10% instead.





 76.3319, 83.7515,  
37.3418


 76.3319, 83.7515,  
37.3418


471.4100,  
507.4877, 350.0011

 57.0027, 62.8103,  
25.1744


 127.1738,  
138.6275, 72.2904

 41.2476, 45.6878,  
15.9868


 159.4173,  
173.3311, 95.9086

 28.7011, 31.9995,  
9.3606


196.6962,  
213.3909, 124.1808

 18.9980, 21.3611,  
4.8771

239.3759,  
259.1914, 157.5256

 11.7728, 13.3882,  
2.1179

287.8218,  
311.1169, 196.3615

 6.6603, 7.6964,  
0.6264

342.3992,

 3.2950, 3.9013,

369.5519, 241.1070

0.0000

403.4735,  
434.8807, 292.1807

■ 1.3116, 1.6185,  
0.0000

■ 0.1919, 0.3700,  
0.0000

■ 76.3319, 83.7515,  
37.3418

■ 76.3319, 83.7515,  
37.3418

■ 73.4972, 80.7769,  
28.0895

■ 79.6337, 86.9609,  
48.9066

■ 71.0929, 78.0130,  
20.9845

■ 83.4241, 90.4048,  
62.9236

■ 69.0866, 75.4496,  
15.8478

■ 87.7306, 94.0975,  
79.5276

■ 67.4381, 73.0704,  
12.4693

■ 92.5767, 98.0487,  
98.8420

■ 66.0984, 70.8555, 95.0499, 99.9999,  
10.5907 108.9000

■ 65.4770, 69.7342,  
10.0090

# Harmonies

## Analogous

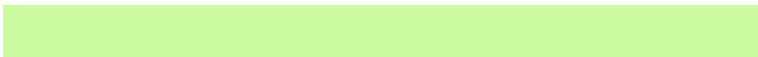
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4016, 83.7515, 39.9850



76.3319, 83.7515, 37.3418



65.3788, 83.7515, 45.7227

# Triad

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



76.3319, 83.7515, 37.3418



61.5375, 83.7515, 141.8915



104.8335, 83.7515, 120.9231

# Complementary

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



76.3319, 83.7515, 37.3418



41.4323, 37.6777, 99.6963

# 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.



95.7544, 83.7515, 159.7798



76.3319, 83.7515, 37.3418



70.5484, 83.7515, 173.9890

# Square

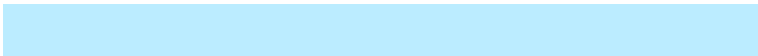
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3319, 83.7515, 37.3418



57.4591, 83.7515, 101.0253



82.9668, 83.7515, 181.2951



106.8111, 83.7515, 82.0169

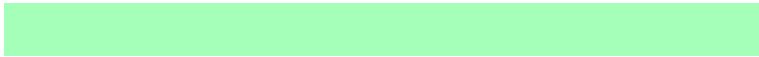


# Rectangle

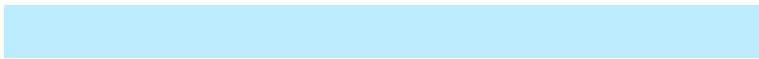
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.3319, 83.7515, 37.3418



60.4219, 83.7515, 58.2338



82.9668, 83.7515, 181.2951



102.4669, 83.7515, 134.6985

# Sweetspot

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



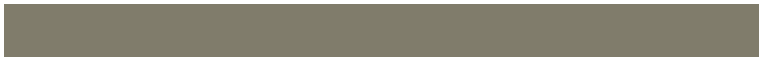
76.3339, 83.7554, 37.3435



88.5182, 94.7528, 82.6256



57.1105, 42.8486, 38.5193



18.7290, 20.0998, 16.8300



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.



76.3339, 83.7554, 37.3435



73.6828, 80.9799, 28.6694



69.1833, 88.1948, 38.5773



19.3027, 20.5736, 19.0981



34.3048, 36.6208, 5.2605



3.4028, 3.6910, 0.5331



# Inverse Universe

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



41.4323, 37.6777, 99.6963



34.6641, 29.4979, 98.4744



46.1660, 35.8544, 99.0949



17.2345, 17.8406, 22.7852



9.9005, 4.7106, 49.8220



1.0275, 0.5858, 4.8722



# Previews

## White Background



This preview shows how the XYZ color 76.3319, 83.7515, 37.3418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

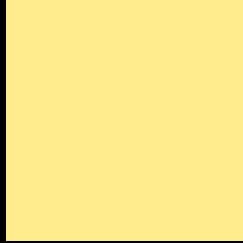
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.3319, 83.7515, 37.3418 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 76.3319, 83.7515, 37.3418**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.3319, 83.7515, 37.3418.



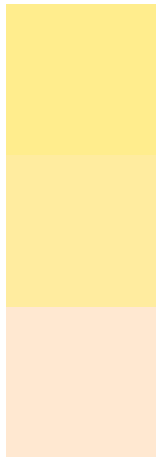
This preview shows how white text looks on a background with the XYZ color 76.3319, 83.7515,



# 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

76.3319, 83.7515, 37.3418

### Protanopia

77.4935, 83.7541, 44.8827

### Deuteranopia

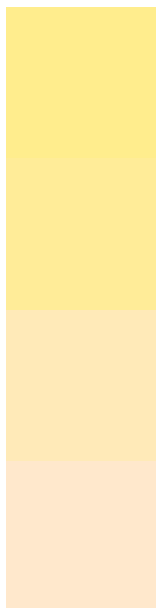
81.6052, 83.5767, 72.1525



## Tritanopia

84.9875, 83.5899, 94.0932

# Trichromacy



## Original Color

76.3319, 83.7515, 37.3418

## Protanomaly

76.9029, 83.5179, 41.7731

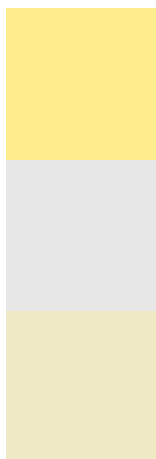
## Deuteranomaly

79.3145, 83.5663, 57.2970

## Tritanomaly

80.9957, 83.3329, 68.9427

# Monochromacy



## Original Color

76.3319, 83.7515, 37.3418

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.2671, 80.8803, 65.0705

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.3319, 83.7515, 37.3418 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, 237, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 141)  
}
```

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, 237, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 76.3319, 83.7515, 37.3418 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, 237, 141) }
```



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

```
.border{ border-color:rgb(255, 237, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 141);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.3319, 83.7515, 37.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 141) }
```

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

```
.background{ background-color: rgb(255,  
237, 141) }
```

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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