

# Converting Colors

XYZ(68.6274, 78.1685, 43.3577)

Have a look what the booklet for  
XYZ(68.6274, 78.1685, 43.3577)  
contains.

<b>XYZ(68.7873, 78.4358, 43.4124)</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(68.7873, 78.4358,  
43.4124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8EA9D
RGB	232, 234, 157
RGB Percent	91%, 92%, 62%
CMY	0.0902, 0.0823, 0.3843
CMYK	0.01, 0.00, 0.33, 0.08
HSL	62°, 65%, 77%
HSV	62°, 33%, 92%
XYZ	68.7873, 78.4358, 43.4124
YIQ	224.6240, 23.5250, -24.3710

# Conversions

## Conversions Part 2

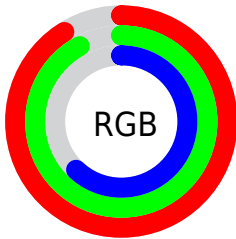
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 234, 159
Decimal	15264413
CIELab	90.98, -12.20, 37.24
CIELCh	91, 39.191, 108.142
Yxy	78.4358, 0.3608, 0.4114
Android (android.graphics.Color)	4293454493 (0xFFE8EA9D)
YUV	224.6240, -33.3386, 6.4688
Hunter-Lab	88.5640, -16.3467, 32.9319

# Details

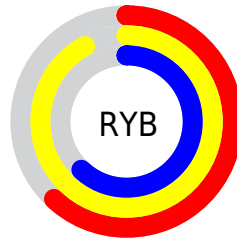
The XYZ color **68.7873, 78.4358, 43.4124** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.2093, 37.4274, 82.8988**, and the grayscale version is **71.5196, 75.2442, 81.9410**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **36.1494, 41.9747, 19.5612** is the 20% darker color. If you saturate the color by 10%, you get **66.7810, 77.6132, 33.8700**, and if you desaturate by 10%, it is **71.1809, 79.4189, 54.9733**.

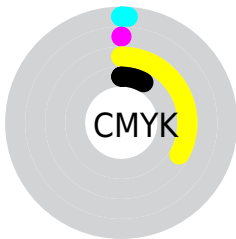
# Distribution



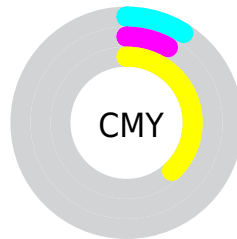
- Red (91%)
- Green (92%)
- Blue (62%)



- Red (62%)
- Yellow (92%)
- Blue (62%)



- Cyan (1%)
- Magenta (0%)
- Yellow (33%)
- Black (8%)




- Cyan (9%)
- Magenta (8%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7873, 78.4358, 43.4124 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 68.7873, 78.4358, 43.4124 by changing the saturation by 10% instead.





 68.7873, 78.4358,  
43.4124


 68.7873, 78.4358,  
43.4124


445.6136,  
489.6456, 376.2760

 50.8145, 58.4320,  
29.8750


 116.5135,  
131.1643, 81.6258

 36.2815, 42.1561,  
19.4925


 146.9975,  
164.6578, 107.1390

 24.8228, 29.2235,  
11.8463


182.3828,  
203.4167, 137.4811

 16.0731, 19.2500,  
6.5178

223.0345,  
247.8254, 173.0709

 9.6671, 11.8510,  
3.0886

269.3181,  
298.2682, 214.3266

 5.2393, 6.6423,  
1.1400

321.5989,

 2.4246, 3.2394,

355.1296, 261.6671

0.0000

380.2423,  
418.7939, 315.5107

■ 0.8574, 1.2580,  
0.0000

■ 0.0000, 0.1083,  
0.0000

■ 68.7873, 78.4358,  
43.4124

■ 68.7873, 78.4358,  
43.4124

■ 66.7810, 77.6132,  
33.8700

■ 71.1809, 79.4189,  
54.9733

■ 65.1342, 76.9318,  
26.2257


■ 73.9760, 80.5599,  
68.6539


■ 63.8248, 76.3853,  
20.3541


■ 77.1934, 81.8700,  
84.5548


■ 62.8255, 75.9630,  
16.1125


■ 80.8508, 83.3560,  
102.7685


 62.1052, 75.6524,  
13.3365


 81.7515, 83.7395,  
106.4623


 61.6262, 75.4383,  
11.8270

 81.9532, 83.8435,  
106.4718

 61.3908, 75.3283,  
11.3042

 82.1556, 83.9478,  
106.4812

 82.3586, 84.0525,  
106.4907

 82.5624, 84.1576,  
106.5003

# Harmonies

## Analogous

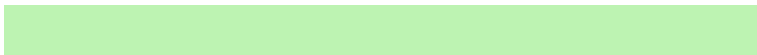
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5256, 78.4358, 42.4361



68.7873, 78.4358, 43.4124



61.2704, 78.4358, 53.9833

# Triad

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



68.7873, 78.4358, 43.4124



62.5722, 78.4358, 132.7056



94.7445, 78.4358, 97.0857

# Complementary

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



68.7873, 78.4358, 43.4124



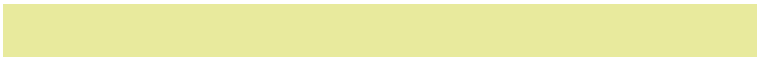
41.2093, 37.4274, 82.8988

# Split Complementary

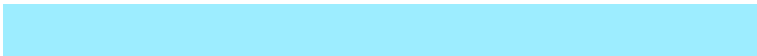
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6239, 78.4358, 127.1247



68.7873, 78.4358, 43.4124



70.7126, 78.4358, 150.5287

# Square

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



68.7873, 78.4358, 43.4124



57.9066, 78.4358, 103.5006



80.6277, 78.4358, 148.2863



94.1131, 78.4358, 69.5489

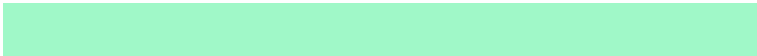


# Rectangle

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



68.7873, 78.4358, 43.4124



58.2636, 78.4358, 66.6958



80.6277, 78.4358, 148.2863



93.6215, 78.4358, 107.3176

# Sweetspot

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



68.7893, 78.4393, 43.4140



90.9688, 98.3393, 88.6821



52.2954, 44.4792, 37.7284



19.3574, 21.0024, 18.4213



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

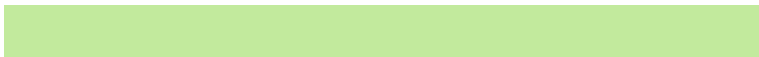
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.7893, 78.4393, 43.4140



82.0159, 94.6770, 45.2049



57.8154, 72.7821, 42.9005



16.3109, 17.6058, 16.0573



34.5139, 42.3371, 6.3528



2.7225, 3.3308, 0.4994



# Inverse Universe

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



41.2093, 37.4274, 82.8988



43.9914, 38.1296, 99.6489



49.8799, 41.8973, 83.3046



14.2675, 14.5676, 18.9821



8.4047, 3.3687, 43.9502

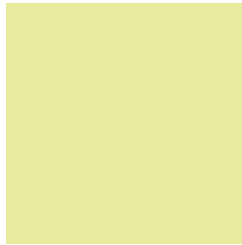


0.6728, 0.2711, 3.4517



# Previews

## White Background



This preview shows how the XYZ color 68.7873, 78.4358, 43.4124 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

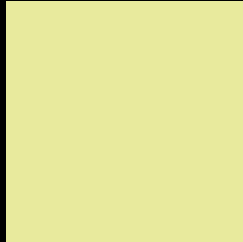
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.7873, 78.4358, 43.4124 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

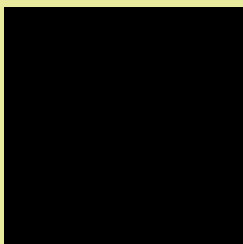
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

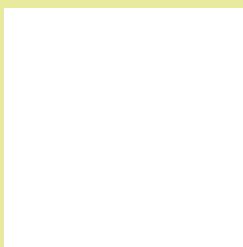
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.7873, 78.4358, 43.4124**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.7873, 78.4358, 43.4124.



This preview shows how white text looks on a background with the XYZ color 68.7873, 78.4358,



# 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

68.7873, 78.4358, 43.4124

### Protanopia

72.6471, 78.3616, 42.3067

### Deuteranopia

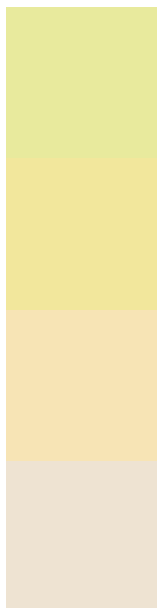
77.6333, 78.4664, 62.0927



## Tritanopia

78.8828, 78.0035, 94.1177

# Trichromacy



## Original Color

68.7873, 78.4358, 43.4124

## Protanomaly

71.1946, 78.4294, 42.8385

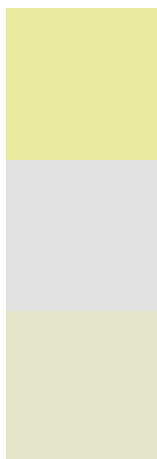
## Deuteranomaly

74.4417, 78.5972, 54.9633

## Tritanomaly

74.3618, 77.7685, 72.0643

# Monochromacy



## Original Color

68.7873, 78.4358, 43.4124

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

70.1636, 76.1509, 65.6442

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.7873, 78.4358, 43.4124 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(232, 234, 157)` looks like.

```
.text, #text, p{  
    color:rgb(232, 234, 157)  
}
```

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(232, 234, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 234, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 68.7873, 78.4358, 43.4124 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(232, 234, 157) }
```



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

```
.border{ border-color:rgb(232, 234, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 234, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 234, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 234, 157); box-shadow:4px 4px 4px 4px rgb(232, 234, 157) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.7873, 78.4358, 43.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 234, 157) }
```

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

```
.background{ background-color: rgb(232,  
234, 157) }
```

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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