

# Converting Colors

XYZ(64.7493, 76.5994, 32.1414)

Have a look what the booklet for  
XYZ(64.7493, 76.5994, 32.1414)  
contains.

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# Color

**XYZ(64.7493, 76.5994,  
32.1414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2EA81
RGB	226, 234, 129
RGB Percent	89%, 92%, 51%
CMY	0.1137, 0.0823, 0.4941
CMYK	0.03, 0.00, 0.45, 0.08
HSL	65°, 71%, 71%
HSV	65°, 45%, 92%
XYZ	64.7493, 76.5994, 32.1414
YIQ	219.6380, 28.9370, -34.3510

# Conversions

## Conversions Part 2

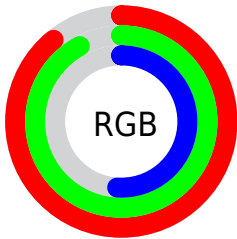
Format	Color
<a href="#">RYB</a>	<a href="#">129, 234, 137</a>
Decimal	<a href="#">14871169</a>
CIELab	<a href="#">90.14, -17.54, 49.83</a>
CIELCh	<a href="#">90, 52.823, 109.391</a>
Yxy	<a href="#">76.5994, 0.3732, 0.4415</a>
Android (android.graphics.Color)	<a href="#">4293061249 (0xFFE2EA81)</a>
YUV	<a href="#">219.6380, -44.6845, 5.5795</a>
Hunter-Lab	<a href="#">87.5211, -21.1051, 39.4910</a>

# Details

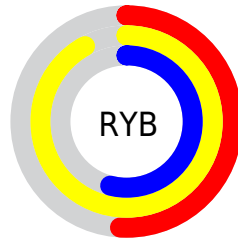
The XYZ color **64.7493, 76.5994, 32.1414** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.0209, 26.9613, 81.3102**, and the grayscale version is **68.0642, 71.6089, 77.9821**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **33.6221, 40.8116, 13.1265** is the 20% darker color. If you saturate the color by 10%, you get **62.8127, 75.7632, 24.8407**, and if you desaturate by 10%, it is **67.0516, 77.5880, 41.3214**.

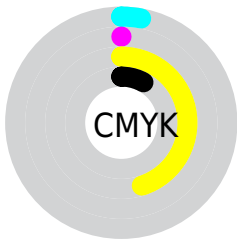
# Distribution



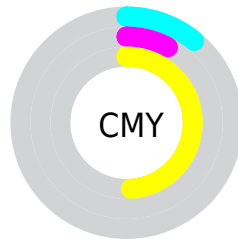
- Red (89%)
- Green (92%)
- Blue (51%)



- Red (51%)
- Yellow (92%)
- Blue (54%)



- Cyan (3%)
- Magenta (0%)
- Yellow (45%)
- Black (8%)



- Cyan (11%)
- Magenta (8%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7493, 76.5994, 32.1414 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 64.7493, 76.5994, 32.1414 by changing the saturation by 10% instead.



64.7493, 76.5994,  
32.1414

64.7493, 76.5994,  
32.1414

431.4500,  
483.3971, 326.2754

47.5218, 56.9241,  
21.2038

110.7571,  
128.5738, 64.1332

33.6580, 40.9443,  
13.0804

140.2680,  
161.6418, 86.0244

22.7926, 28.2756,  
7.3525

174.6041,  
199.9428, 112.4040

14.5603, 18.5335,  
3.6018

214.1308,  
243.8612, 143.6904

8.5957, 11.3337,  
1.4095

259.2134,  
293.7815, 180.3023

4.5334, 6.2918,  
0.1491

310.2172,

2.0081, 3.0233,

350.0879, 222.6580

0.0000

367.5076,  
413.1650, 271.1762

■ 0.6385, 1.1439,  
0.0000

■ 0.0000, 0.0152,  
0.0000

■ 64.7493, 76.5994,  
32.1414

■ 64.7493, 76.5994,  
32.1414

■ 62.8127, 75.7632,  
24.8407

■ 67.0516, 77.5880,  
41.3214

■ 61.2117, 75.0592,  
19.2846


■ 69.7364, 78.7276,  
52.4932


■ 59.9202, 74.4796,  
15.3286


■ 72.8261, 80.0298,  
65.7665


■ 58.9060, 74.0116,  
12.8025

■ 76.3396, 81.5022,  
81.2414


 58.1295, 73.6394,  
11.4979


 80.2949, 83.1520,  
99.0116

 57.7918, 73.4730,  
11.1357

 82.3013, 84.0229,  
106.4880

 82.8991, 84.3311,  
106.5160

 83.5028, 84.6423,  
106.5443

 84.1124, 84.9566,  
106.5728

# Harmonies

## Analogous

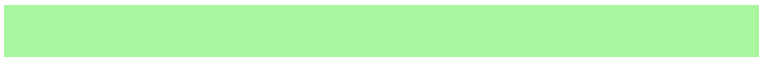
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5480, 76.5994, 30.6494



64.7493, 76.5994, 32.1414



55.2890, 76.5994, 44.6716

# Triad

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



64.7493, 76.5994, 32.1414



57.5930, 76.5994, 151.1291



100.5133, 76.5994, 97.4207

# Complementary

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



64.7493, 76.5994, 32.1414



33.0209, 26.9613, 81.3102

# 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.



93.6784, 76.5994, 139.8019



64.7493, 76.5994, 32.1414



68.2603, 76.5994, 176.4425

# Square

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



64.7493, 76.5994, 32.1414



51.5135, 76.5994, 109.7550



81.5035, 76.5994, 171.7676

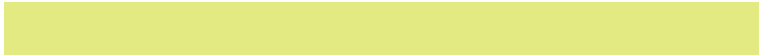


99.2793, 76.5994, 61.6488



# Rectangle

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



64.7493, 76.5994, 32.1414



51.6593, 76.5994, 60.4762



81.5035, 76.5994, 171.7676



99.0538, 76.5994, 111.4976

# Sweetspot

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



64.7512, 76.6029, 32.1430



89.2409, 97.5696, 83.1312



46.7009, 36.6877, 25.3899



18.9092, 20.8033, 16.9563



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.



64.7512, 76.6029, 32.1430



76.4707, 92.1342, 30.6755



50.9553, 69.4909, 31.4974



16.2320, 17.5651, 16.0536



32.5223, 41.3103, 6.2596



2.5876, 3.2613, 0.4931



# Inverse Universe

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



33.0209, 26.9613, 81.3102



33.3182, 24.5863, 97.5973



43.5664, 32.3977, 81.8037



14.3376, 14.6038, 18.9854



8.5237, 3.4301, 43.9558

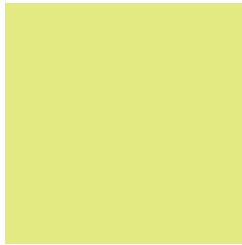


0.7064, 0.2885, 3.4533



# Previews

## White Background



This preview shows how the XYZ color 64.7493, 76.5994, 32.1414 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 64.7493, 76.5994, 32.1414 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 64.7493, 76.5994, 32.1414

## Background



This preview shows how black text looks on a background with the XYZ color 64.7493, 76.5994, 32.1414.



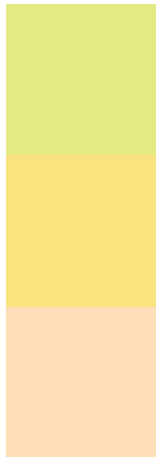
This preview shows how white text looks on a background with the XYZ color 64.7493, 76.5994,



# 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

64.7493, 76.5994, 32.1414

### Protanopia

70.3019, 76.5843, 30.8156

### Deuteranopia

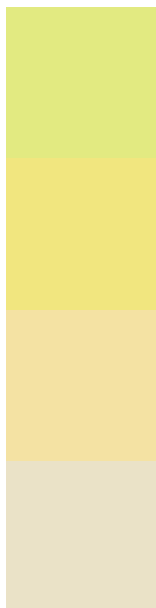
75.5399, 76.3503, 55.0117



## Tritanopia

76.6963, 76.1220, 92.3120

# Trichromacy



## Original Color

64.7493, 76.5994, 32.1414

## Protanomaly

68.4032, 76.8267, 31.3025

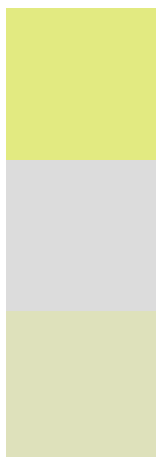
## Deuteranomaly

71.1154, 76.2702, 45.6238

## Tritanomaly

71.4368, 76.0087, 64.9388

# Monochromacy



## Original Color

64.7493, 76.5994, 32.1414

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.0191, 72.9679, 57.6183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7493, 76.5994, 32.1414 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(226, 234, 129)` looks like.

```
.text, #text, p{  
    color:rgb(226, 234, 129)  
}
```

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(226, 234, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 234, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7493, 76.5994, 32.1414 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(226, 234, 129) }
```



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

```
.border{ border-color:rgb(226, 234, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 234, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 234, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 234, 129);  
box-shadow:4px 4px 4px 4px rgb(226, 234,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7493, 76.5994, 32.1414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 234, 129) }
```

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

```
.background{ background-color: rgb(226,  
234, 129) }
```

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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