

# Converting Colors

XYZ(75.4526, 83.8643, 31.2794)

Have a look what the booklet for  
XYZ(75.4526, 83.8643, 31.2794)  
contains.

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# Color

**XYZ(75.4526, 83.8643,  
31.2794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEE7C
RGB	255, 238, 124
RGB Percent	100%, 93%, 49%
CMY	0.0000, 0.0666, 0.5137
CMYK	0.00, 0.07, 0.51, 0.00
HSL	52°, 100%, 74%
HSV	52°, 51%, 100%
XYZ	75.4526, 83.8643, 31.2794
YIQ	230.0870, 46.7260, -31.8500

# Conversions

## Conversions Part 2

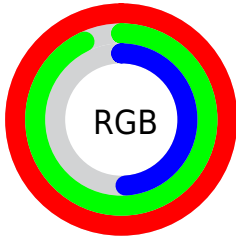
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	144, 255, 124
Decimal	16772732
CIE <sub>Lab</sub>	93.39, -8.55, 56.64
CIE <sub>LCh</sub>	93, 57.282, 98.584
Yxy	83.8643, 0.3959, 0.4400
Android (android.graphics.Color)	4294962812 (0xFFFFEE7C)
YUV	230.0870, -52.3009, 21.8487
Hunter-Lab	91.5775, -13.1906, 43.8530

# Details

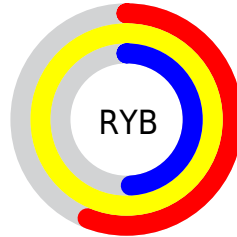
The XYZ color **75.4526, 83.8643, 31.2794** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.8868, 30.5538, 98.6134**, and the grayscale version is **75.6309, 79.5696, 86.6513**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **40.6302, 45.6466, 12.6305** is the 20% darker color. If you saturate the color by 10%, you get **73.0905, 81.3957, 23.5389**, and if you desaturate by 10%, it is **78.2534, 86.5429, 41.2249**.

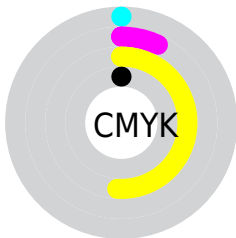
# Distribution



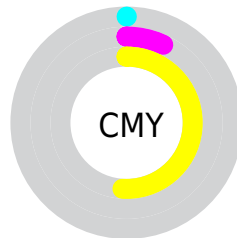
- Red (100%)
- Green (93%)
- Blue (49%)



- Red (56%)
- Yellow (100%)
- Blue (49%)



- Cyan (0%)
- Magenta (7%)
- Yellow (51%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4526, 83.8643, 31.2794 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 75.4526, 83.8643, 31.2794 by changing the saturation by 10% instead.





 75.4526, 83.8643,  
31.2794


 75.4526, 83.8643,  
31.2794


468.4450,  
507.8625, 322.2144


 56.2792, 62.9034,  
20.5515


 125.9373,  
138.7853, 62.7644

 40.6647, 45.7631,  
12.6085


 157.9794,  
173.5143, 84.3586

 28.2437, 32.0589,  
7.0320


 195.0417,  
213.6013, 110.4119

 18.6508, 21.4065,  
3.4033

237.4897,  
259.4309, 141.3428

 11.5208, 13.4215,  
1.3041

285.6887,  
311.3875, 177.5700

 6.4881, 7.7194,  
0.0651

340.0040,

 3.1876, 3.9159,

369.8553, 219.5120

0.0000

400.8010,  
435.2188, 267.5873

■ 1.2537, 1.6266,  
0.0000

■ 0.1482, 0.3755,  
0.0000

■ 75.4526, 83.8643,  
31.2794

■ 75.4526, 83.8643,  
31.2794

■ 73.0905, 81.3957,  
23.5389

■ 78.2534, 86.5429,  
41.2249

■ 71.1280, 79.1120,  
17.8252

■ 81.5163, 89.4317,  
53.5247

■ 69.5294, 77.0018,  
13.9411

■ 85.2700, 92.5455,  
68.3212

■ 68.2492, 75.0469,  
11.6476

■ 89.5393, 95.8943,  
85.7438

■ 67.3401, 73.4605,  
10.6301

94.3471, 99.4873,  
105.9133

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

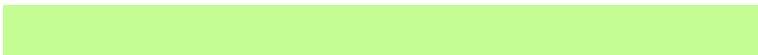
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7955, 83.8643, 33.6952



75.4526, 83.8643, 31.2794



62.9308, 83.8643, 40.4961

# Triad

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



75.4526, 83.8643, 31.2794



59.0900, 83.8643, 153.6505



109.9293, 83.8643, 125.1864

# Complementary

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



75.4526, 83.8643, 31.2794



35.8868, 30.5538, 98.6134

# 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.



99.2356, 83.8643, 173.0121



75.4526, 83.8643, 31.2794



69.5666, 83.8643, 192.7316

# Square

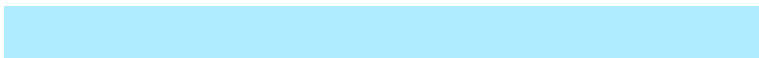
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4526, 83.8643, 31.2794



54.2977, 83.8643, 104.3035



84.1256, 83.8643, 200.7593



112.0244, 83.8643, 79.4503

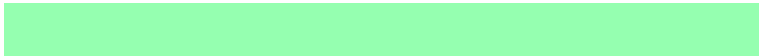


# Rectangle

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



75.4526, 83.8643, 31.2794



57.4000, 83.8643, 54.4498



84.1256, 83.8643, 200.7593



107.1616, 83.8643, 141.9089

# Sweetspot

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



75.4546, 83.8682, 31.2811



87.9294, 94.6517, 79.1105



53.2906, 37.6131, 29.8341



18.6271, 20.1079, 16.1431



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

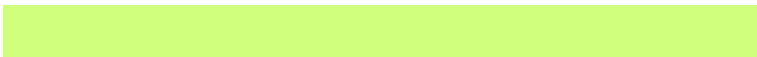
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4546, 83.8682, 31.2811



72.9559, 81.2470, 23.1219



65.1212, 86.2357, 32.2827



19.3484, 20.6649, 19.1133



35.2653, 38.5419, 5.5806



3.4872, 3.8599, 0.5612



# Inverse Universe

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



35.8868, 30.5538, 98.6134



29.3781, 22.5739, 97.4165



42.2789, 30.4107, 98.2489



17.1929, 17.7574, 22.7713



9.7751, 4.4597, 49.7802



1.0081, 0.5468, 4.8657



# Previews

## White Background



This preview shows how the XYZ color 75.4526, 83.8643, 31.2794 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 75.4526, 83.8643, 31.2794 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 75.4526, 83.8643, 31.2794**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.4526, 83.8643, 31.2794.



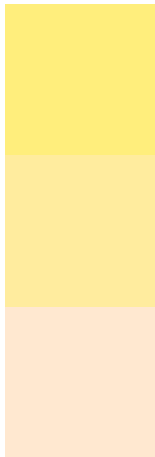
This preview shows how white text looks on a background with the XYZ color 75.4526, 83.8643,

31.2794.

# 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

75.4526, 83.8643, 31.2794

### Protanopia

77.4070, 83.7195, 44.4275

### Deuteranopia

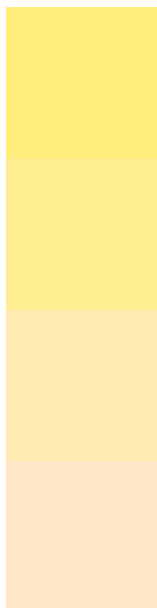
81.4818, 83.5273, 71.5023



## Tritanopia

84.9875, 83.5899, 94.0932

# Trichromacy



## Original Color

75.4526, 83.8643, 31.2794

## Protanomaly

76.7125, 83.9037, 39.3460

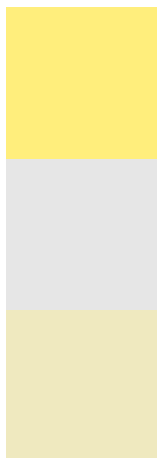
## Deuteranomaly

78.5986, 83.2800, 53.5270

## Tritanomaly

80.2897, 83.0504, 65.2247

# Monochromacy



## Original Color

75.4526, 83.8643, 31.2794

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.1395, 80.3901, 60.8995

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.4526, 83.8643, 31.2794 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, 238, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 124)  
}
```

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, 238, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 75.4526, 83.8643, 31.2794 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, 238, 124) }
```



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

```
.border{ border-color:rgb(255, 238, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.4526, 83.8643, 31.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 124) }
```

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

```
.background{ background-color: rgb(255,  
238, 124) }
```

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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