

# Converting Colors

XYZ(74.8881, 86.5221, 33.4459)

Have a look what the booklet for  
XYZ(74.8881, 86.5221, 33.4459)  
contains.

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# Color

**XYZ(74.9726, 86.6640,  
33.5452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F581
RGB	247, 245, 129
RGB Percent	97%, 96%, 51%
CMY	0.0314, 0.0392, 0.4941
CMYK	0.00, 0.01, 0.48, 0.03
HSL	59°, 88%, 74%
HSV	59°, 48%, 97%
XYZ	74.9726, 86.6640, 33.5452
YIQ	232.3740, 38.4280, -35.6520

# Conversions

## Conversions Part 2

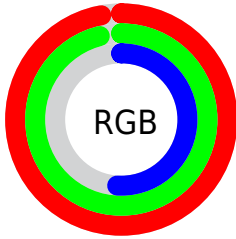
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 247, 129
Decimal	16250241
CIE <sub>Lab</sub>	94.60, -14.72, 55.60
CIE <sub>LCh</sub>	95, 57.520, 104.831
Yxy	86.6640, 0.3841, 0.4440
Android (android.graphics.Color)	4294440321 (0xFFFF7F581)
YUV	232.3740, -50.9634, 12.8270
Hunter-Lab	93.0935, -19.1591, 43.8010

# Details

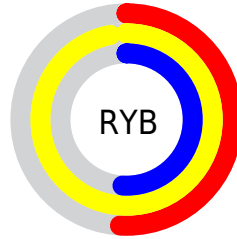
The XYZ color **74.9726, 86.6640, 33.5452** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.9579, 27.6143, 91.5356**, and the grayscale version is **77.3339, 81.3613, 88.6025**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **40.4884, 47.7358, 13.9174** is the 20% darker color. If you saturate the color by 10%, you get **73.4001, 85.8364, 25.8771**, and if you desaturate by 10%, it is **76.9464, 87.6588, 43.3067**.

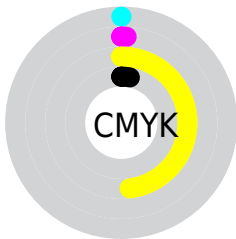
# Distribution



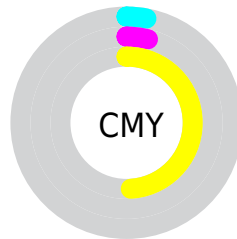
- Red (97%)
- Green (96%)
- Blue (51%)



- Red (51%)
- Yellow (97%)
- Blue (51%)



- Cyan (0%)
- Magenta (1%)
- Yellow (48%)
- Black (3%)



- Cyan (3%)
- Magenta (4%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9726, 86.6640, 33.5452 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 74.9726, 86.6640, 33.5452 by changing the saturation by 10% instead.



74.9726, 86.6640,  
33.5452

74.9726, 86.6640,  
33.5452

466.8220,  
517.1181, 332.8064

55.8845, 65.2172,  
22.2699

125.2617,  
142.6957, 66.3516

40.3470, 47.6372,  
13.8551

157.1934,  
178.0494, 88.7197

27.9946, 33.5397,  
7.8824

194.1371,  
218.8075, 115.6226

18.4620, 22.5402,  
3.9331

236.4581,  
265.3544, 147.4787

11.3839, 14.2544,  
1.5887

284.5217,  
318.0746, 184.7066

6.3949, 8.2978,  
0.2827

338.6933,

3.1296, 4.2861,

377.3523, 227.7248

0.0000

399.3383,  
443.5720, 276.9519

■ 1.2226, 1.8348,  
0.0000

■ 0.1241, 0.5088,  
0.0000

■ 74.9726, 86.6640,  
33.5452

■ 74.9726, 86.6640,  
33.5452

■ 73.4001, 85.8364,  
25.8771

■ 76.9464, 87.6588,  
43.3067

■ 72.1935, 85.1525,  
20.1439

■ 79.3414, 88.8195,  
55.2941


■ 71.3219, 84.6031,  
16.1733


■ 82.1837, 90.1595,  
69.6353

■ 70.7464, 84.1725,  
13.7602


■ 85.4954, 91.6877,  
86.4469


 70.4147, 83.8400,  
12.6295


 89.2972, 93.4124,  
105.8378

 70.3567, 83.7723,  
12.4615

 89.8244, 93.8277,  
107.9840

 89.9525, 94.0839,  
108.0267

 90.0808, 94.3406,  
108.0695

 90.2095, 94.5978,  
108.1124

# Harmonies

## Analogous

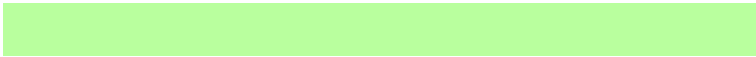
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4226, 86.6640, 33.6107



74.9726, 86.6640, 33.5452



63.0875, 86.6640, 45.8338

# Triad

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



74.9726, 86.6640, 33.5452



62.9835, 86.6640, 168.2777



114.6312, 86.6640, 118.5172

# Complementary

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



74.9726, 86.6640, 33.5452



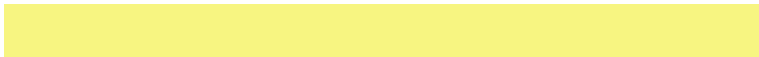
33.9579, 27.6143, 91.5356

# 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.



105.2320, 86.6640, 168.8021



74.9726, 86.6640, 33.5452



74.8131, 86.6640, 203.1049

# Square

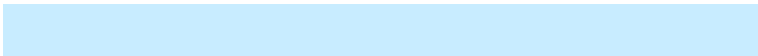
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.9726, 86.6640, 33.5452



56.7792, 86.6640, 117.9517



90.2419, 86.6640, 203.3224

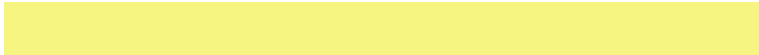


114.6879, 86.6640, 74.1485

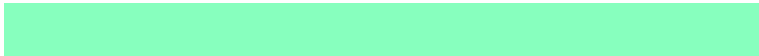


# Rectangle

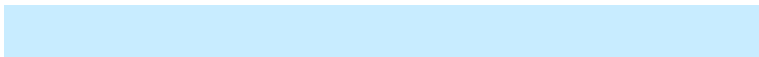
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9726, 86.6640, 33.5452



58.2252, 86.6640, 62.5052



90.2419, 86.6640, 203.3224



112.4119, 86.6640, 135.5378

# Sweetspot

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



74.9747, 86.6680, 33.5470



89.6337, 97.5262, 81.3253



50.4375, 37.1671, 26.6829



19.0262, 20.8008, 16.6002



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.



74.9747, 86.6680, 33.5470



79.0173, 92.3419, 28.3113



58.9449, 79.3042, 32.9705



17.8893, 19.2627, 17.5728



37.2209, 44.3274, 6.5943



3.2789, 3.9110, 0.5821



# Inverse Universe

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



33.9579, 27.6143, 91.5356



30.2427, 22.1241, 97.2842



44.4226, 32.6155, 91.9494



15.6036, 15.9715, 20.8030



8.9130, 3.6198, 46.7669

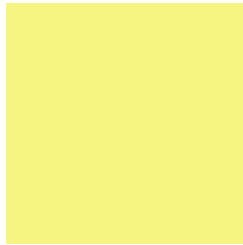


0.7911, 0.3336, 4.1129



# Previews

## White Background



This preview shows how the XYZ color 74.9726, 86.6640, 33.5452 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

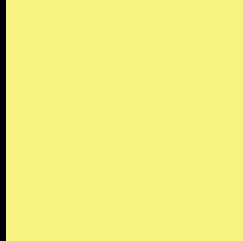
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9726, 86.6640, 33.5452 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

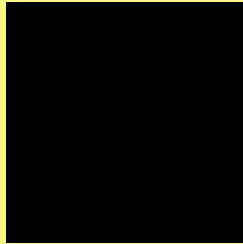
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.9726, 86.6640, 33.5452**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9726, 86.6640, 33.5452.



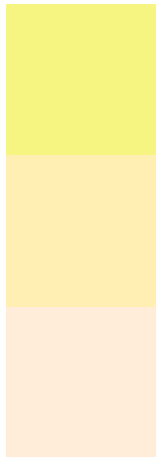
This preview shows how white text looks on a background with the XYZ color 74.9726, 86.6640,



# 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

74.9726, 86.6640, 33.5452

### Protanopia

80.2432, 86.2477, 55.0660

### Deuteranopia

83.7598, 86.2607, 77.8810



## Tritanopia

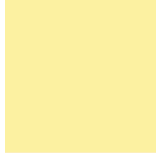
87.1674, 86.2532, 100.0500

# Trichromacy



## Original Color

74.9726, 86.6640, 33.5452



## Protanomaly

78.0332, 86.1792, 46.2397



## Deuteranomaly

79.7683, 85.9312, 58.2811



## Tritanomaly

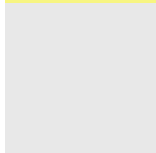
81.3282, 85.6235, 69.3673

# Monochromacy



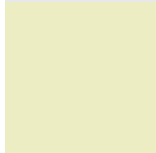
## Original Color

74.9726, 86.6640, 33.5452



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

75.0596, 82.5130, 63.6003

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9726, 86.6640, 33.5452 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(247, 245, 129)` looks like.

```
.text, #text, p{  
    color:rgb(247, 245, 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(247, 245, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 245, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9726, 86.6640, 33.5452 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(247, 245, 129) }
```



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

```
.border{ border-color:rgb(247, 245, 129) }
```

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

Here you see how a box with a 4 pixel rgb(247, 245, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 245, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 245, 129);  
box-shadow:4px 4px 4px 4px rgb(247, 245,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9726, 86.6640, 33.5452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 245, 129) }
```

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

```
.background{ background-color: rgb(247,  
245, 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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