

# Converting Colors

XYZ(74.7363, 81.6915, 33.3222)

Have a look what the booklet for  
XYZ(74.7363, 81.6915, 33.3222)  
contains.

**XYZ(74.7596, 81.7443, 33.3107) ..... 3**  
    ***Conversions* ..... 4**  
    ***Details* ..... 6**  
    ***Harmonies* ..... 12**  
    ***Previews* ..... 24**  
    ***Color Blindness Simulation* ..... 28**  
    ***CSS Examples* ..... 31**

# **Color**

**XYZ(74.7596, 81.7443,  
33.3107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEA83
RGB	255, 234, 131
RGB Percent	100%, 92%, 51%
CMY	0.0000, 0.0823, 0.4863
CMYK	0.00, 0.08, 0.49, 0.00
HSL	50°, 100%, 76%
HSV	50°, 49%, 100%
XYZ	74.7596, 81.7443, 33.3107
YIQ	228.5370, 45.5790, -27.5810

# Conversions

## Conversions Part 2

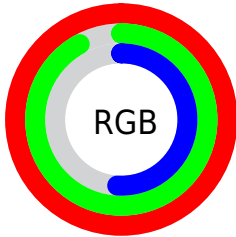
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 255, 131
Decimal	16771715
CIE <sub>Lab</sub>	92.46, -5.96, 52.24
CIE <sub>LCh</sub>	92, 52.579, 96.513
Y <sub>xy</sub>	81.7443, 0.3939, 0.4307
Android (android.graphics.Color)	4294961795 (0xFFFFEA83)
YUV	228.5370, -48.0857, 23.2081
Hunter-Lab	90.4126, -10.6253, 41.4446

# Details

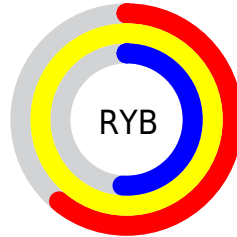
The XYZ color **74.7596, 81.7443, 33.3107** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.6381, 34.5008, 99.2305**, and the grayscale version is **74.4563, 78.3338, 85.3055**.

A 20% lighter version of the original color is **85.8629, 96.3252, 60.5215**, and **40.2602, 44.5260, 13.6802** is the 20% darker color. If you saturate the color by 10%, you get **72.0261, 78.7111, 24.8971**, and if you desaturate by 10%, it is **77.9523, 85.0152, 43.9773**.

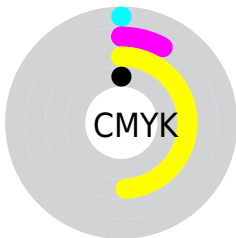
# Distribution



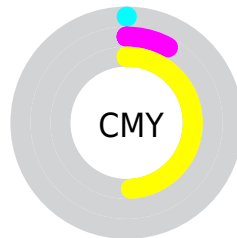
- Red (100%)
- Green (92%)
- Blue (51%)



- Red (61%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (8%)
- Yellow (49%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7596, 81.7443, 33.3107 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 74.7596, 81.7443, 33.3107 by changing the saturation by 10% instead.





 74.7596, 81.7443,  
33.3107

 74.7596, 81.7443,  
33.3107


466.1008,  
500.7920, 331.7223


 55.7094, 61.1548,  
22.0915


 124.9617,  
135.8154, 65.9819

 40.2061, 44.3501,  
13.7252


 156.8444,  
170.0657, 88.2710

 27.8842, 30.9458,  
7.7932


 193.7354,  
209.6385, 115.0871

 18.3784, 20.5576,  
3.8770

235.9999,  
254.9180, 146.8488

 11.3233, 12.8010,  
1.5581

284.0033,  
306.2887, 183.9746

 6.3536, 7.2917,  
0.2607

338.1110,

 3.1040, 3.6452,

364.1350, 226.8831

0.0000

398.6884,  
428.8413, 275.9928

■ 1.2090, 1.4771,  
0.0000

■ 0.1134, 0.2725,  
0.0000

■ 74.7596, 81.7443,  
33.3107

■ 74.7596, 81.7443,  
33.3107

■ 72.0261, 78.7111,  
24.8971

■ 77.9523, 85.0152,  
43.9773

■ 69.7139, 75.8910,  
18.5641

■ 81.6270, 88.5241,  
57.0422

■ 67.7886, 73.2728,  
14.1225

■ 85.8121, 92.2857,  
72.6445

■ 66.2070, 70.8391,  
11.3464

■ 90.5317, 96.3101,  
90.9111

■ 64.9078, 68.5649, 95.0500, 100.0000,  
9.9139 108.9000

■ 64.7402, 68.2605,  
9.7634

# Harmonies

## Analogous

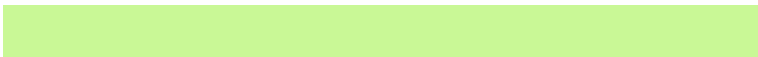
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6182, 81.7443, 36.3789



74.7596, 81.7443, 33.3107



63.1180, 81.7443, 41.2737

# Triad

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



74.7596, 81.7443, 33.3107



58.4734, 81.7443, 141.5674



104.3037, 81.7443, 122.4043

# Complementary

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



74.7596, 81.7443, 33.3107



38.6381, 34.5008, 99.2305

# 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.



94.3606, 81.7443, 164.0091



74.7596, 81.7443, 33.3107



67.7093, 81.7443, 177.1454

# Square

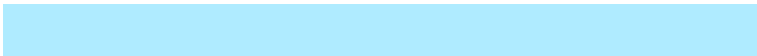
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.7596, 81.7443, 33.3107



54.4520, 81.7443, 97.7966



80.7073, 81.7443, 186.3758



106.7597, 81.7443, 80.7580

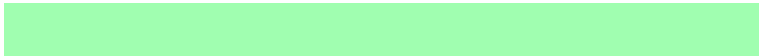


# Rectangle

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



74.7596, 81.7443, 33.3107



57.8187, 81.7443, 53.6764



80.7073, 81.7443, 186.3758



101.6738, 81.7443, 137.1870

# Sweetspot

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



74.7616, 81.7481, 33.3124



87.4606, 93.7143, 78.9543



55.1674, 39.8177, 35.2345



18.5132, 19.8801, 16.1051



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

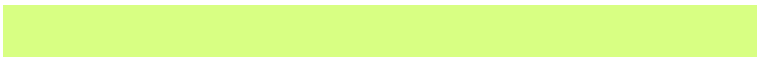
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7616, 81.7481, 33.3124



72.1847, 78.8949, 25.3612



68.0973, 87.7172, 34.8158



19.2841, 20.5364, 19.0919



33.9246, 35.8605, 5.1337



3.3693, 3.6239, 0.5219



# Inverse Universe

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



38.6381, 34.5008, 99.2305



32.3957, 26.8926, 98.0911



42.8024, 32.0294, 98.5340



17.2515, 17.8746, 22.7908



9.9583, 4.8262, 49.8413



1.0356, 0.6020, 4.8749



# Previews

## White Background



This preview shows how the XYZ color 74.7596, 81.7443, 33.3107 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 74.7596, 81.7443, 33.3107 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 74.7596, 81.7443, 33.3107**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7596, 81.7443, 33.3107.



This preview shows how white text looks on a background with the XYZ color 74.7596, 81.7443,



# 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

74.7596, 81.7443, 33.3107

### Protanopia

75.3964, 81.9991, 36.6645

### Deuteranopia

79.8019, 81.5157, 66.7864



## Tritanopia

83.7224, 81.7671, 91.4908

# Trichromacy

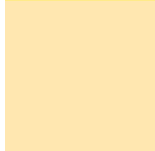


## Original Color

74.7596, 81.7443, 33.3107

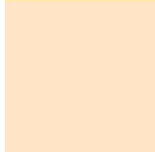
## Protanomaly

75.1782, 81.9118, 35.5152



## Deuteranomaly

77.6524, 81.5464, 52.7216



## Tritanomaly

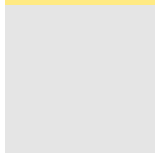
79.4524, 81.3758, 64.9456

# Monochromacy



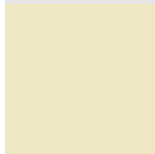
## Original Color

74.7596, 81.7443, 33.3107



## Achromatopsia

74.4753, 78.3538, 85.3273



## Achromatomaly

73.4614, 79.1792, 61.8634

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7596, 81.7443, 33.3107 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, 234, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 131)  
}
```

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, 234, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7596, 81.7443, 33.3107 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, 234, 131) }
```



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

```
.border{ border-color:rgb(255, 234, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7596, 81.7443, 33.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 131) }
```

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

```
.background{ background-color: rgb(255,  
234, 131) }
```

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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