

# Converting Colors

XYZ(77.4765, 83.5022, 48.2495)

Have a look what the booklet for  
XYZ(77.4765, 83.5022, 48.2495)  
contains.

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# Color

**XYZ(77.3864, 83.6267,  
48.1393)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDECA6
RGB	253, 236, 166
RGB Percent	99%, 93%, 65%
CMY	0.0078, 0.0745, 0.3490
CMYK	0.00, 0.07, 0.34, 0.01
HSL	48°, 96%, 82%
HSV	48°, 34%, 99%
XYZ	77.3864, 83.6267, 48.1393
YIQ	233.1030, 32.6020, -18.1660

# Conversions

## Conversions Part 2

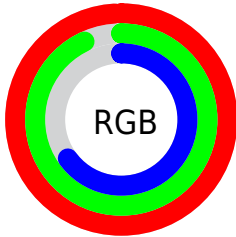
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 253, 166
Decimal	16641190
CIELab	93.29, -4.18, 36.07
CIELCh	93, 36.308, 96.614
Yxy	83.6267, 0.3700, 0.3998
Android (android.graphics.Color)	4294831270 (0xFFFDECA6)
YUV	233.1030, -33.0818, 17.4497
Hunter-Lab	91.4476, -8.9800, 32.8023

# Details

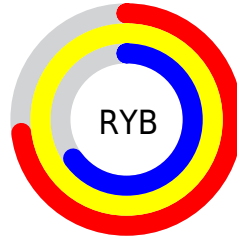
The XYZ color **77.3864, 83.6267, 48.1393** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **50.3887, 49.0645, 99.7432**, and the grayscale version is **77.7556, 81.8049, 89.0856**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **41.8076, 45.4369, 22.1895** is the 20% darker color. If you saturate the color by 10%, you get **73.8876, 79.9848, 36.6277**, and if you desaturate by 10%, it is **81.3854, 87.5376, 62.0719**.

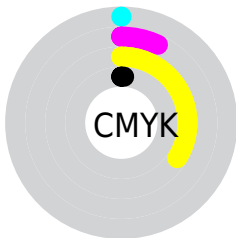
# Distribution



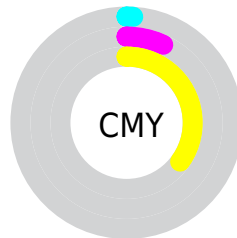
- Red (99%)
- Green (93%)
- Blue (65%)



- Red (73%)
- Yellow (99%)
- Blue (65%)



- Cyan (0%)
- Magenta (7%)
- Yellow (34%)
- Black (1%)




- Cyan (1%)
- Magenta (7%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3864, 83.6267, 48.1393 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 77.3864, 83.6267, 48.1393 by changing the saturation by 10% instead.




 77.3864, 83.6267,  
48.1393


 77.3864, 83.6267,  
48.1393

474.9522,  
507.0728, 395.8686

 57.8711, 62.7073,  
33.5764


 128.6547,  
138.4529, 88.7795

 41.9479, 45.6044,  
22.2937


 161.1385,  
173.1284, 115.6939

 29.2514, 31.9338,  
13.8725


198.6757,  
213.1581, 147.5625

 19.4163, 21.3109,  
7.8943

241.6318,  
258.9263, 184.8040

 12.0773, 13.3515,  
3.9406

290.3722,  
310.8175, 227.8368

 6.8689, 7.6710,  
1.5928

345.2621,

 3.4258, 3.8852,

369.2161, 277.0795

0.2857

406.6670,  
434.5064, 332.9506

■ 1.3828, 1.6095,  
0.0000

■ 0.2439, 0.3640,  
0.0000

■ 77.3864, 83.6267,  
48.1393

■ 77.3864, 83.6267,  
48.1393

■ 73.8876, 79.9848,  
36.6277

■ 81.3854, 87.5376,  
62.0719

■ 70.8554, 76.5891,  
27.3900

■ 85.9032, 91.7166,  
78.5503

■ 68.2620, 73.4309,  
20.2715

■ 90.9652, 96.1773,  
97.6973

■ 66.0735, 70.4961,  
15.0957

■ 94.3181, 99.6227,  
108.8657

■ 64.2506, 67.7685,  
11.6576

■ 62.7455, 65.2284,  
9.7060

■ 62.0013, 63.8692,  
9.0602

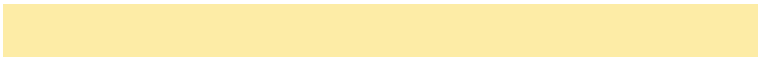
# Harmonies

## Analogous

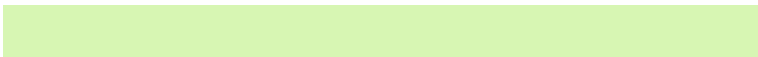
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0049, 83.6267, 50.7842



77.3864, 83.6267, 48.1393



69.0193, 83.6267, 55.0040

# Triad

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



77.3864, 83.6267, 48.1393



65.6265, 83.6267, 126.1945



97.5752, 83.6267, 113.5857

# Complementary

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



77.3864, 83.6267, 48.1393



50.3887, 49.0645, 99.7432

# 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.



90.9579, 83.6267, 140.1751



77.3864, 83.6267, 48.1393



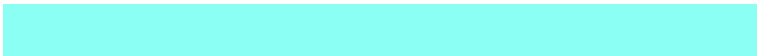
72.4107, 83.6267, 148.4149

# Square

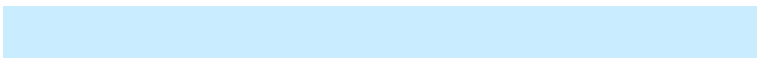
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3864, 83.6267, 48.1393



62.5903, 83.6267, 97.2538



81.6205, 83.6267, 153.9863



99.1745, 83.6267, 85.1259

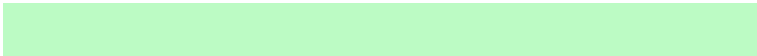


# Rectangle

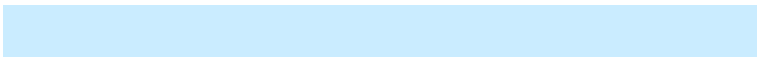
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3864, 83.6267, 48.1393



65.1051, 83.6267, 65.0541



81.6205, 83.6267, 153.9863



95.8395, 83.6267, 123.1985

# Sweetspot

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



77.3885, 83.6305, 48.1410



89.6443, 95.3281, 88.1707



62.7339, 51.5916, 51.6711



19.0347, 20.2686, 18.2967



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

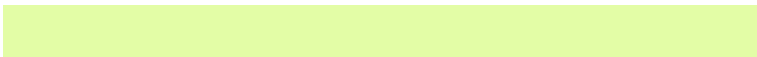
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3885, 83.6305, 48.1410



76.3689, 82.6517, 40.9728



73.6557, 89.3187, 49.4357



19.2420, 20.4522, 19.0778



33.0866, 34.1844, 4.8544



3.2950, 3.4754, 0.4971



# Inverse Universe

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



50.3887, 49.0645, 99.7432



45.2494, 42.8244, 100.4888



53.1303, 45.5849, 98.9271



17.2902, 17.9520, 22.8037



10.1043, 5.1181, 49.8899



1.0553, 0.6414, 4.8814



# Previews

## White Background



This preview shows how the XYZ color 77.3864, 83.6267, 48.1393 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

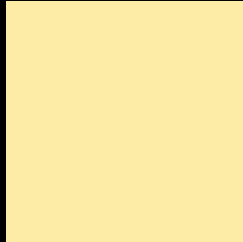
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.3864, 83.6267, 48.1393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

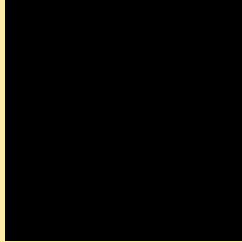
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.3864, 83.6267, 48.1393**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.3864, 83.6267, 48.1393.



This preview shows how white text looks on a background with the XYZ color 77.3864, 83.6267,



# 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

77.3864, 83.6267, 48.1393

### Protanopia

77.7514, 83.8149, 48.1563

### Deuteranopia

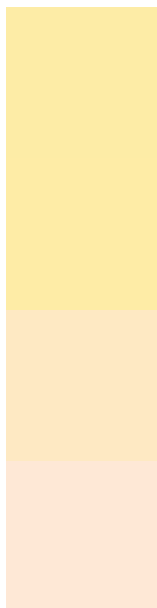
81.8545, 83.6764, 73.4650



## Tritanopia

85.2863, 83.7094, 95.6669

# Trichromacy



## Original Color

77.3864, 83.6267, 48.1393

## Protanomaly

77.7514, 83.8149, 48.1563

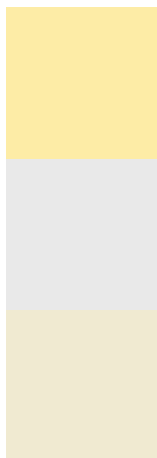
## Deuteranomaly

79.8623, 83.2888, 63.4969

## Tritanomaly

81.8673, 83.6391, 75.4474

# Monochromacy



## Original Color

77.3864, 83.6267, 48.1393

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.8666, 81.9744, 72.0929

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3864, 83.6267, 48.1393 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(253, 236, 166)` looks like.

```
.text, #text, p{  
    color:rgb(253, 236, 166)  
}
```

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(253, 236, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 236, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3864, 83.6267, 48.1393 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(253, 236, 166) }
```



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

```
.border{ border-color:rgb(253, 236, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 236, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 236, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 236, 166); box-shadow:4px 4px 4px 4px rgb(253, 236, 166) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3864, 83.6267, 48.1393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 236, 166) }
```

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

```
.background{ background-color: rgb(253,  
236, 166) }
```

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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