

# Converting Colors

XYZ(136.6539, 113.0204,  
50.5052)

Have a look what the booklet for  
XYZ(136.6539, 113.0204, 50.5052)  
contains.

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# **Color**

**XYZ(77.2618, 82.2910,  
47.8880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE9A6
RGB	255, 233, 166
RGB Percent	100%, 91%, 65%
CMY	0.0000, 0.0862, 0.3490
CMYK	0.00, 0.09, 0.35, 0.00
HSL	45°, 100%, 83%
HSV	45°, 35%, 100%
XYZ	77.2618, 82.2910, 47.8880
YIQ	231.9400, 34.6190, -16.1730

# Conversions

## Conversions Part 2

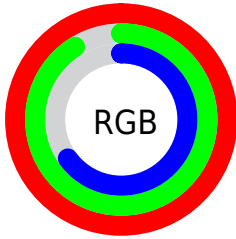
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 255, 166
Decimal	16771494
CIE <sub>Lab</sub>	92.70, -1.91, 35.32
CIE <sub>LCh</sub>	93, 35.375, 93.097
Yxy	82.2910, 0.3725, 0.3967
Android (android.graphics.Color)	4294961574 (0xFFFFE9A6)
YUV	231.9400, -32.5084, 20.2236
Hunter-Lab	90.7144, -6.7210, 32.2010

# Details

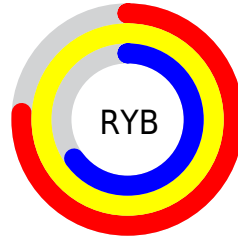
The XYZ color **77.2618, 82.2910, 47.8880** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **51.7586, 51.2918, 101.7800**, and the grayscale version is **76.8761, 80.8796, 88.0779**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **41.7287, 44.5069, 22.0141** is the 20% darker color. If you saturate the color by 10%, you get **73.3992, 77.9452, 36.1819**, and if you desaturate by 10%, it is **81.6561, 86.9573, 62.0612**.

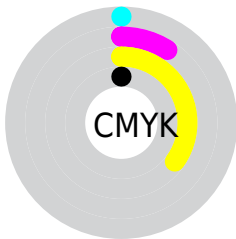
# Distribution



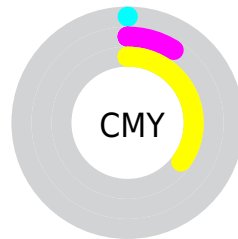
- Red (100%)
- Green (91%)
- Blue (65%)



- Red (76%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (9%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2618, 82.2910, 47.8880 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 77.2618, 82.2910, 47.8880 by changing the saturation by 10% instead.




 77.2618, 82.2910,  
47.8880


 77.2618, 82.2910,  
47.8880


474.5344,  
502.6206, 394.8439

 57.7684, 61.6054,  
33.3788

 128.4799,  
136.5820, 88.4014

 41.8651, 44.7140,  
22.1433


 160.9353,  
170.9562, 115.2428

 29.1863, 31.2322,  
13.7629


198.4421,  
210.6621, 147.0320

 19.3668, 20.7757,  
7.8191

241.3656,  
256.0841, 184.1875

 12.0412, 12.9602,  
3.8933

290.0713,  
307.6065, 227.1279

 6.8441, 7.4011,  
1.5670

344.9244,

 3.4103, 3.7142,

365.6138, 276.2717

0.2671

406.2903,  
430.4904, 332.0376

■ 1.3743, 1.5150,  
0.0000

■ 0.2378, 0.2993,  
0.0000

■ 77.2618, 82.2910,  
47.8880

■ 77.2618, 82.2910,  
47.8880

■ 73.3992, 77.9452,  
36.1819

■ 81.6561, 86.9573,  
62.0612

■ 70.0338, 73.8962,  
26.7926

■ 86.6018, 91.9443,  
78.8298

■ 67.1366, 70.1343,  
19.5610

■ 92.1251, 97.2662,  
98.3191

■ 64.6726, 66.6445,  
14.3059

95.0500, 100.0000,  
108.9000

■ 62.6010, 63.4093,  
10.8163

■ 60.8719, 60.4075,  
8.8324

■ 60.0860, 58.9521,  
8.2120

# Harmonies

## Analogous

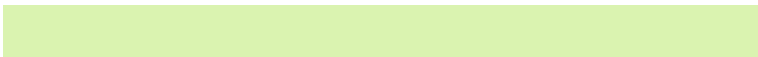
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5078, 82.2910, 51.5446



77.2618, 82.2910, 47.8880



68.9348, 82.2910, 53.4642

# Triad

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



77.2618, 82.2910, 47.8880



64.2931, 82.2910, 120.2592



95.1007, 82.2910, 114.5737

# Complementary

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



77.2618, 82.2910, 47.8880



51.7586, 51.2918, 101.7800

# 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.



88.2931, 82.2910, 139.1789



77.2618, 82.2910, 47.8880



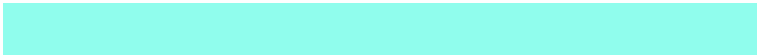
70.4701, 82.2910, 142.8883

# Square

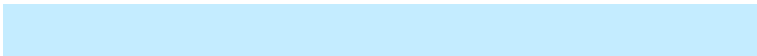
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2618, 82.2910, 47.8880



61.8258, 82.2910, 92.3704



79.1763, 82.2910, 150.4100



97.2716, 82.2910, 86.8873

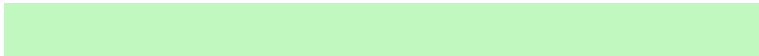


# Rectangle

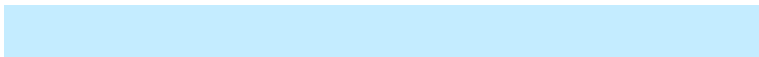
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2618, 82.2910, 47.8880



64.8870, 82.2910, 62.4588



79.1763, 82.2910, 150.4100



93.2538, 82.2910, 123.6483

# Sweetspot

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



77.2639, 82.2948, 47.8897



89.2353, 94.5102, 88.0344



63.9808, 52.1749, 54.4179



18.9353, 20.0698, 18.2635



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

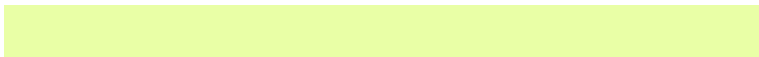
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2639, 82.2948, 47.8897



74.4677, 79.1756, 39.3330



76.1660, 91.5549, 49.7349



19.1587, 20.2856, 19.0501



31.5202, 31.0516, 4.3323



3.1549, 3.1952, 0.4505



# Inverse Universe

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



51.7586, 51.2918, 101.7800



45.4517, 43.9206, 100.6897



52.4877, 45.2166, 100.5689



17.3676, 18.1068, 22.8295



10.4585, 5.8267, 50.0080



1.1000, 0.7307, 4.8963



# Previews

## White Background



This preview shows how the XYZ color 77.2618, 82.2910, 47.8880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

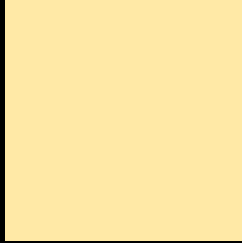
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2618, 82.2910, 47.8880 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 77.2618, 82.2910, 47.8880**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2618, 82.2910, 47.8880.



This preview shows how white text looks on a background with the XYZ color 77.2618, 82.2910,

47.8880.

# 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

77.2618, 82.2910, 47.8880

### Protanopia

76.4506, 82.2943, 47.9314

### Deuteranopia

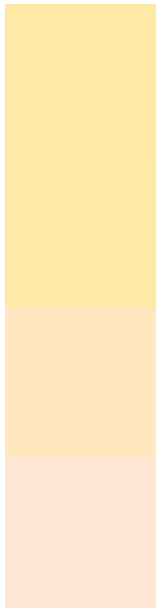
80.7993, 82.3586, 70.6697



## Tritanopia

84.2891, 82.4302, 93.1295

# Trichromacy



## Original Color

77.2618, 82.2910, 47.8880

## Protanomaly

76.8138, 82.4815, 47.9484

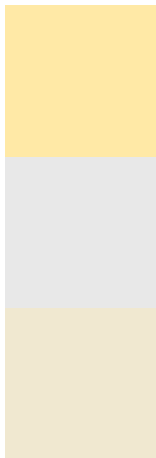
## Deuteranomaly

79.3303, 82.2176, 61.5576

## Tritanomaly

81.1430, 82.0521, 73.8483

# Monochromacy



## Original Color

77.2618, 82.2910, 47.8880

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.1770, 80.7926, 71.2541

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2618, 82.2910, 47.8880 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, 233, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 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(255, 233, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2618, 82.2910, 47.8880 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, 233, 166) }
```



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

```
.border{ border-color:rgb(255, 233, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 233, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 233, 166); box-shadow:4px 4px 4px 4px rgb(255, 233, 166) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2618, 82.2910, 47.8880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 166) }
```

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

```
.background{ background-color: rgb(255,  
233, 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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