

# Converting Colors

XYZ(76.4199, 84.0639, 37.0347)

Have a look what the booklet for  
XYZ(76.4199, 84.0639, 37.0347)  
contains.

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# **Color**

**XYZ(76.5482, 84.3025,  
37.0484)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEE8C
RGB	255, 238, 140
RGB Percent	100%, 93%, 55%
CMY	0.0000, 0.0666, 0.4510
CMYK	0.00, 0.07, 0.45, 0.00
HSL	51°, 100%, 77%
HSV	51°, 45%, 100%
XYZ	76.5482, 84.3025, 37.0484
YIQ	231.9110, 41.5900, -26.8740

# Conversions

## Conversions Part 2

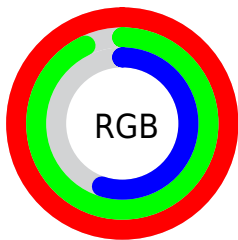
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	160, 255, 140
Decimal	16772748
<a href="#">CIELab</a>	93.58, -7.14, 49.31
<a href="#">CIElCh</a>	94, 49.822, 98.239
<a href="#">Yxy</a>	84.3025, 0.3868, 0.4260
<a href="#">Android (android.graphics.Color)</a>	4294962828 (0xFFFFEE8C)
<a href="#">YUV</a>	231.9110, -45.3121, 20.2491
<a href="#">Hunter-Lab</a>	91.8164, -11.8615, 40.3476

# Details

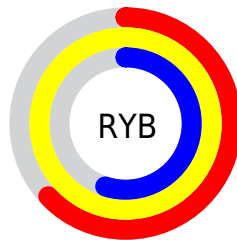
The XYZ color **76.5482, 84.3025, 37.0484** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.9220, 36.9083, 99.5749**, and the grayscale version is **76.9436, 80.9506, 88.1552**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **41.2132, 45.8798, 15.7003** is the 20% darker color. If you saturate the color by 10%, you get **73.7967, 81.4678, 27.9054**, and if you desaturate by 10%, it is **79.7625, 87.3652, 48.4969**.

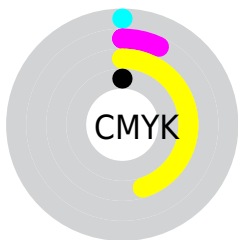
# Distribution



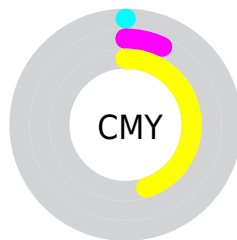
- Red (100%)
- Green (93%)
- Blue (55%)



- Red (63%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (7%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5482, 84.3025, 37.0484 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 76.5482, 84.3025, 37.0484 by changing the saturation by 10% instead.




 76.5482, 84.3025,  
37.0484

 76.5482, 84.3025,  
37.0484


472.1378,  
509.3172, 348.6950

 57.1808, 63.2652,  
24.9489


 127.4778,  
139.3983, 71.8344

 41.3911, 46.0558,  
15.8203


 159.7706,  
174.2255, 95.3579

 28.8138, 32.2899,  
9.2441


197.1026,  
214.4182, 123.5266

 19.0836, 21.5830,  
4.8018

239.8392,  
260.3608, 156.7588

 11.8351, 13.5508,  
2.0747

288.3456,  
312.4375, 195.4733

 6.7029, 7.8089,  
0.6007

342.9873,

 3.3216, 3.9729,

371.0329, 240.0884

0.0000

404.1296,  
436.5314, 291.0228

■ 1.3261, 1.6584,  
0.0000

■ 0.2026, 0.3965,  
0.0000

■ 76.5482, 84.3025,  
37.0484

■ 76.5482, 84.3025,  
37.0484

■ 73.7967, 81.4678,  
27.9054

■ 79.7625, 87.3652,  
48.4969

■ 71.4711, 78.8370,  
20.9019

■ 83.4612, 90.6555,  
62.3912

■ 69.5389, 76.3998,  
15.8582

■ 87.6717, 94.1878,  
78.8663

■ 67.9599, 74.1399,  
12.5625

■ 92.4177, 97.9716,  
98.0460

■ 66.6842, 72.0373, 95.0500, 100.0000,  
10.7541 108.9000

■ 66.1349, 71.0498,  
10.2283

# Harmonies

## Analogous

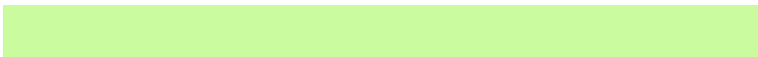
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8997, 84.3025, 39.5183



76.5482, 84.3025, 37.0484



65.4357, 84.3025, 45.7532

# Triad

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



76.5482, 84.3025, 37.0484



61.8162, 84.3025, 144.4712



106.0579, 84.3025, 121.4305

# Complementary

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



76.5482, 84.3025, 37.0484



40.9220, 36.9083, 99.5749

# 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.



96.8674, 84.3025, 161.4555



76.5482, 84.3025, 37.0484



71.0895, 84.3025, 177.0980

# Square

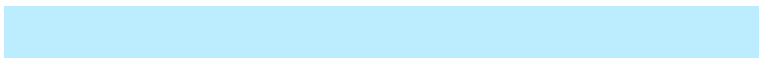
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5482, 84.3025, 37.0484



57.5616, 84.3025, 102.5952



83.8156, 84.3025, 184.0454



107.9316, 84.3025, 81.7735

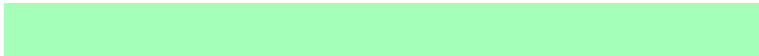


# Rectangle

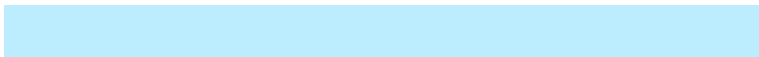
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.5482, 84.3025, 37.0484



60.4441, 84.3025, 58.6276



83.8156, 84.3025, 184.0454



103.6768, 84.3025, 135.5660

# Sweetspot

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



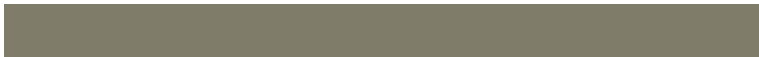
76.5503, 84.3064, 37.0501



88.1658, 94.5904, 80.8360



56.7258, 42.4599, 37.2172



18.6644, 20.0774, 16.4796



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

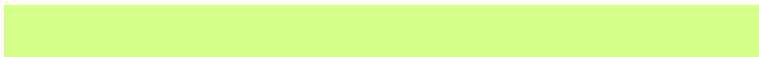
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5503, 84.3064, 37.0501



74.0773, 81.7689, 28.8009



68.4451, 87.8229, 38.1561



19.3190, 20.6062, 19.1035



34.6439, 37.2991, 5.3735



3.4327, 3.7507, 0.5430



# Inverse Universe

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



40.9220, 36.9083, 99.5749



34.4646, 29.0989, 98.4079



46.3095, 35.7105, 99.0597



17.2196, 17.8108, 22.7802



9.8530, 4.6156, 49.8062



1.0206, 0.5718, 4.8699



# Previews

## White Background



This preview shows how the XYZ color 76.5482, 84.3025, 37.0484 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 76.5482, 84.3025, 37.0484 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 76.5482, 84.3025, 37.0484**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.5482, 84.3025, 37.0484.



This preview shows how white text looks on a background with the XYZ color 76.5482, 84.3025,



# 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

76.5482, 84.3025, 37.0484

### Protanopia

78.1350, 84.4727, 46.8370

### Deuteranopia

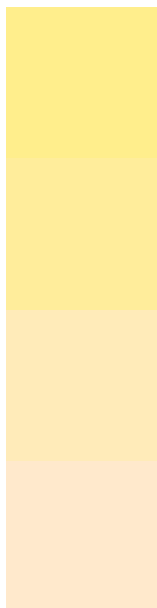
82.0118, 84.1910, 72.9008



## Tritanopia

85.4140, 84.2045, 94.9704

# Trichromacy



## Original Color

76.5482, 84.3025, 37.0484

## Protanomaly

77.4406, 84.1949, 43.1800

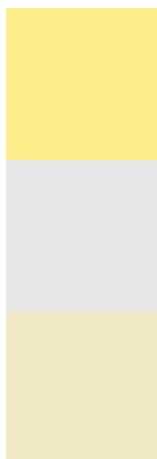
## Deuteranomaly

79.7053, 84.1794, 57.9463

## Tritanomaly

81.2780, 83.8975, 69.0368

# Monochromacy



## Original Color

76.5482, 84.3025, 37.0484

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.6668, 81.4944, 65.7748

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.5482, 84.3025, 37.0484 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 76.5482, 84.3025, 37.0484 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, 140) }
```



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

```
.border{ border-color:rgb(255, 238, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.5482, 84.3025, 37.0484 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, 140) }
```

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

```
.background{ background-color: rgb(255,  
238, 140) }
```

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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