

# Converting Colors

XYZ(73.6757, 83.3996, 50.2448)

Have a look what the booklet for  
XYZ(73.6757, 83.3996, 50.2448)  
contains.

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# Color

**XYZ(73.6757, 83.3996,  
50.2448)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF0AA
RGB	238, 240, 170
RGB Percent	93%, 94%, 67%
CMY	0.0667, 0.0588, 0.3333
CMYK	0.01, 0.00, 0.29, 0.06
HSL	62°, 70%, 80%
HSV	62°, 29%, 94%
XYZ	73.6757, 83.3996, 50.2448
YIQ	231.4220, 21.2780, -22.1940

# Conversions

## Conversions Part 2

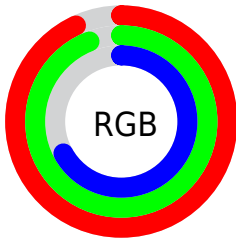
Format	Color
<a href="#">RYB</a>	<a href="#">170, 240, 172</a>
Decimal	<a href="#">15659178</a>
CIELab	<a href="#">93.19, -11.34, 33.71</a>
CIELCh	<a href="#">93, 35.562, 108.596</a>
Yxy	<a href="#">83.3996, 0.3554, 0.4023</a>
Android (android.graphics.Color)	<a href="#">4293849258 (0xFFEEF0AA)</a>
YUV	<a href="#">231.4220, -30.2810, 5.7689</a>
Hunter-Lab	<a href="#">91.3234, -15.8099, 31.3059</a>

# Details

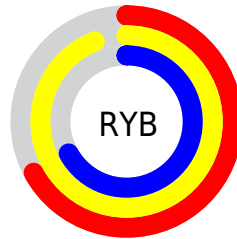
The XYZ color **73.6757, 83.3996, 50.2448** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **47.1193, 43.8135, 88.4162**, and the grayscale version is **76.4795, 80.4624, 87.6235**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **39.4074, 45.3891, 23.5136** is the 20% darker color. If you saturate the color by 10%, you get **71.3799, 82.4575, 39.3486**, and if you desaturate by 10%, it is **76.3912, 84.5154, 63.3275**.

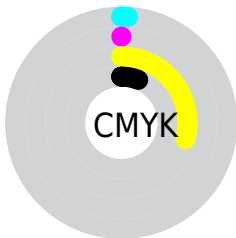
# Distribution



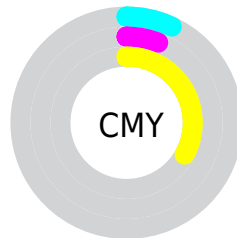
- Red (93%)
- Green (94%)
- Blue (67%)



- Red (67%)
- Yellow (94%)
- Blue (67%)



- Cyan (1%)
- Magenta (0%)
- Yellow (29%)
- Black (6%)




- Cyan (7%)
- Magenta (6%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6757, 83.3996, 50.2448 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 73.6757, 83.3996, 50.2448 by changing the saturation by 10% instead.



 73.6757, 83.3996,  
50.2448

 73.6757, 83.3996,  
50.2448


462.4210,  
506.3173, 404.3850

 54.8190, 62.5199,  
35.2354


 123.4340,  
138.1350, 91.9375

 39.4901, 45.4529,  
23.5593


155.0662,  
172.7594, 119.4579

 27.3236, 31.8143,  
14.7978


191.6877,  
212.7342, 151.9857

 17.9543, 21.2197,  
8.5326

233.6638,  
258.4438, 189.9395

 11.0167, 13.2847,  
4.3450

281.3598,  
310.2725, 233.7378

 6.1454, 7.6249,  
1.8164

335.1411,

 2.9752, 3.8559,

368.6047, 283.7991

0.4388

395.3730,  
433.8248, 340.5420

■ 1.1407, 1.5933,  
0.0000

■ 0.0587, 0.3531,  
0.0000

■ 73.6757, 83.3996,  
50.2448

■ 73.6757, 83.3996,  
50.2448

■ 71.3799, 82.4575,  
39.3486

■ 76.3912, 84.5154,  
63.3275

■ 69.4748, 81.6690,  
30.5147

■ 79.5408, 85.8021,  
78.7013

■ 67.9378, 81.0278,  
23.6146

■ 83.1462, 87.2712,  
96.4704

■ 66.7414, 80.5229,  
18.5034

■ 85.4026, 88.2008,  
107.1310

65.8541, 80.1418,  
15.0156

85.6375, 88.3218,  
107.1420

65.2388, 79.8695,  
12.9551

85.8732, 88.4434,  
107.1530

64.8381, 79.6832,  
12.0204

86.1099, 88.5654,  
107.1641

64.8084, 79.6692,  
11.9619

86.3474, 88.6878,  
107.1752

86.5859, 88.8108,  
107.1864

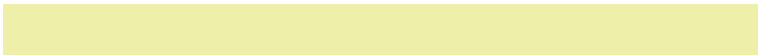
# Harmonies

## Analogous

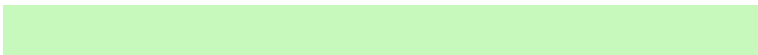
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8751, 83.3996, 49.1272



73.6757, 83.3996, 50.2448



66.5405, 83.3996, 60.8482

# Triad

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



73.6757, 83.3996, 50.2448



67.9688, 83.3996, 135.1346



98.2197, 83.3996, 101.3682

# Complementary

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



73.6757, 83.3996, 50.2448



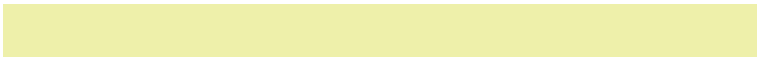
47.1193, 43.8135, 88.4162

# 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.



93.5248, 83.3996, 129.2719



73.6757, 83.3996, 50.2448



75.7687, 83.3996, 151.1709

# Square

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



73.6757, 83.3996, 50.2448



63.4287, 83.3996, 108.2269



85.1381, 83.3996, 148.8363



97.5483, 83.3996, 75.3662

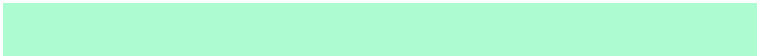


# Rectangle

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



73.6757, 83.3996, 50.2448



63.6886, 83.3996, 73.2924



85.1381, 83.3996, 148.8363



97.2028, 83.3996, 110.9130

# Sweetspot

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



73.6778, 83.4033, 50.2466



91.3311, 98.4845, 90.5769



57.7880, 50.6184, 44.7559



19.4286, 21.0308, 18.7987



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

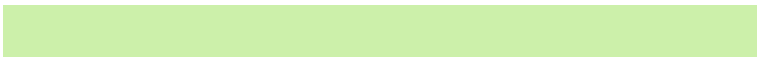
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6778, 83.4033, 50.2466



82.9255, 95.0422, 49.9306



63.2751, 78.0406, 49.7597



17.0755, 18.4346, 16.8080



35.4956, 43.6202, 6.5487



2.9669, 3.6360, 0.5454



# Inverse Universe

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



47.1193, 43.8135, 88.4162



47.8547, 42.7602, 100.3391



55.6053, 48.1882, 88.8134



14.9391, 15.2503, 19.8778



8.6757, 3.4779, 45.3419

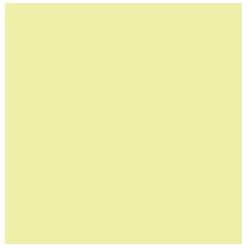


0.7364, 0.2969, 3.7727



# Previews

## White Background



This preview shows how the XYZ color 73.6757, 83.3996, 50.2448 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

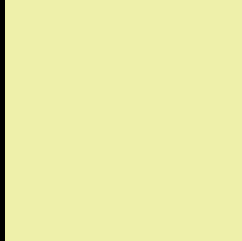
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6757, 83.3996, 50.2448 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

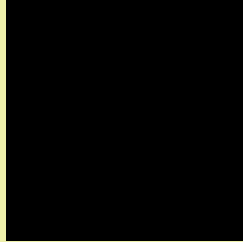
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.6757, 83.3996, 50.2448**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.6757, 83.3996, 50.2448.



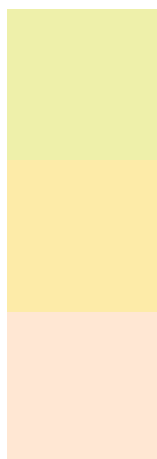
This preview shows how white text looks on a background with the XYZ color 73.6757, 83.3996,



# 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

73.6757, 83.3996, 50.2448

### Protanopia

77.2842, 83.1265, 49.0175

### Deuteranopia

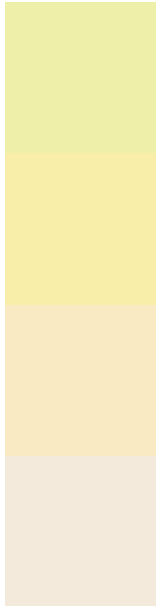
81.5738, 83.1150, 73.3714



## Tritanopia

83.9515, 83.3274, 100.4660

# Trichromacy



## Original Color

73.6757, 83.3996, 50.2448

## Protanomaly

76.1570, 83.3894, 49.6180

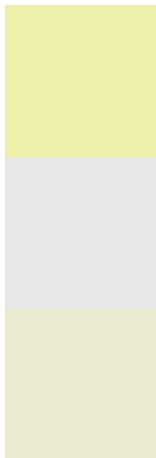
## Deuteranomaly

78.4535, 82.9709, 64.1046

## Tritanomaly

79.6493, 83.2460, 79.5803

# Monochromacy



## Original Color

73.6757, 83.3996, 50.2448

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

74.8631, 80.9415, 71.9992

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6757, 83.3996, 50.2448 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(238, 240, 170)` looks like.

```
.text, #text, p{  
    color:rgb(238, 240, 170)  
}
```

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(238, 240, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 240, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6757, 83.3996, 50.2448 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(238, 240, 170) }
```



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

```
.border{ border-color:rgb(238, 240, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 240, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 240, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 240, 170);  
box-shadow:4px 4px 4px 4px rgb(238, 240,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6757, 83.3996, 50.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 240, 170) }
```

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

```
.background{ background-color: rgb(238,  
240, 170) }
```

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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