

# Converting Colors

XYZ(73.3279, 84.8655, 56.2353)

Have a look what the booklet for  
XYZ(73.3279, 84.8655, 56.2353)  
contains.

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# Color

**XYZ(73.3243, 84.8606,  
56.2312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6F4B5
RGB	230, 244, 181
RGB Percent	90%, 96%, 71%
CMY	0.0980, 0.0431, 0.2902
CMYK	0.06, 0.00, 0.26, 0.04
HSL	73°, 74%, 83%
HSV	73°, 26%, 96%
XYZ	73.3243, 84.8606, 56.2312
YIQ	232.6320, 11.8790, -22.5610

# Conversions

## Conversions Part 2

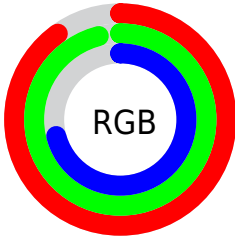
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 244, 195
Decimal	15135925
CIELab	93.82, -14.80, 28.89
CIELCh	94, 32.461, 117.133
Yxy	84.8606, 0.3420, 0.3958
Android (android.graphics.Color)	4293326005 (0xFFE6F4B5)
YUV	232.6320, -25.4546, -2.3083
Hunter-Lab	92.1198, -19.1296, 28.2924

# Details

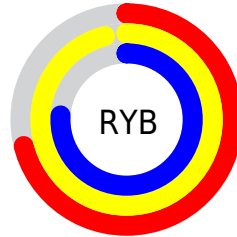
The XYZ color **73.3243, 84.8606, 56.2312** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.3621, 51.1838, 92.5543**, and the grayscale version is **77.3563, 81.3849, 88.6281**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **39.3351, 46.5236, 27.3289** is the 20% darker color. If you saturate the color by 10%, you get **69.3237, 83.0653, 44.0997**, and if you desaturate by 10%, it is **77.8220, 86.8668, 70.6782**.

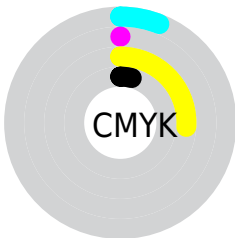
# Distribution



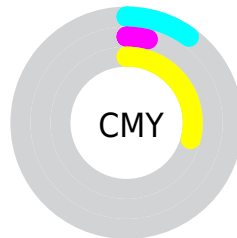
- Red (90%)
- Green (96%)
- Blue (71%)



- Red (71%)
- Yellow (96%)
- Blue (76%)



- Cyan (6%)
- Magenta (0%)
- Yellow (26%)
- Black (4%)




- Cyan (10%)
- Magenta (4%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3243, 84.8606, 56.2312 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 73.3243, 84.8606, 56.2312 by changing the saturation by 10% instead.





 73.3243, 84.8606,  
56.2312

 73.3243, 84.8606,  
56.2312


461.2244,  
511.1667, 427.9750

 54.5305, 63.7262,  
39.9831

 122.9381,  
140.1784, 100.8317

 39.2583, 46.4290,  
27.2117


154.4889,  
175.1306, 130.0212

 27.1424, 32.5844,  
17.4984


191.0227,  
215.4575, 164.3615

 17.8173, 21.8083,  
10.4248

232.9048,  
261.5435, 204.2712

 10.9178, 13.7161,  
5.5722

280.5007,  
313.7731, 250.1689

 6.0785, 7.9235,  
2.5222

334.1757,

 2.9340, 4.0460,

372.5305, 302.4731

0.8519

394.2952,  
438.2003, 361.6022

■ 1.1189, 1.6993,  
0.0000

■ 0.0409, 0.4232,  
0.0000

■ 73.3243, 84.8606,  
56.2312

■ 73.3243, 84.8606,  
56.2312

■ 69.3237, 83.0653,  
44.0997

■ 77.8220, 86.8668,  
70.6782

■ 65.7903, 81.4601,  
34.1579

■ 82.8319, 89.0813,  
87.5470

■ 62.7008, 80.0387,  
26.2761

■ 88.3765, 91.5161,  
106.9438

■ 60.0272, 78.7897,  
20.3089

■ 90.4378, 92.5640,  
107.7078

■ 57.7377, 77.7003,  
16.0921

■ 91.6425, 93.1850,  
107.7642

■ 55.7953, 76.7558,  
13.4337

■ 54.1545, 75.9379,  
12.0961

■ 53.5288, 75.6218,  
11.7752

# Harmonies

## Analogous

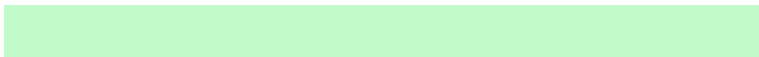
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4903, 84.8606, 52.5995



73.3243, 84.8606, 56.2312



67.5077, 84.8606, 68.9341

# Triad

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



73.3243, 84.8606, 56.2312



71.9834, 84.8606, 138.3369



98.3908, 84.8606, 94.7964

# Complementary

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



73.3243, 84.8606, 56.2312



55.3621, 51.1838, 92.5543

# Split Complementary

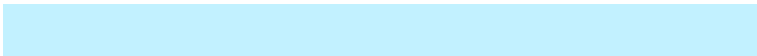
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.4127, 84.8606, 120.6623



73.3243, 84.8606, 56.2312



79.8303, 84.8606, 148.4511

# Square

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



73.3243, 84.8606, 56.2312



66.7732, 84.8606, 115.8097



88.4639, 84.8606, 141.4713



96.3441, 84.8606, 72.3767

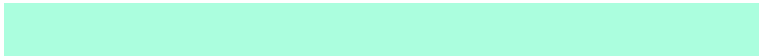


# Rectangle

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



73.3243, 84.8606, 56.2312



65.5383, 84.8606, 82.2149



88.4639, 84.8606, 141.4713



97.9394, 84.8606, 103.3907

# Sweetspot

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



73.3265, 84.8644, 56.2330



90.2889, 97.9051, 92.4334



65.0885, 61.4454, 52.1469



19.1430, 20.8751, 19.1647



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

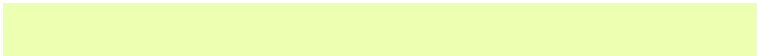


# Same Dimension

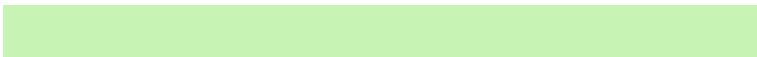
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3265, 84.8644, 56.2330



78.6595, 92.7308, 54.8014



64.2075, 80.1633, 55.8063



17.5332, 19.1169, 17.5634



29.2270, 41.1799, 6.4081



2.6554, 3.6639, 0.5673



# Inverse Universe

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



55.3621, 51.1838, 92.5543



55.6913, 49.6573, 101.2573



64.2670, 55.7745, 92.9711



15.9256, 16.1043, 20.8116



9.8086, 4.0308, 46.7991

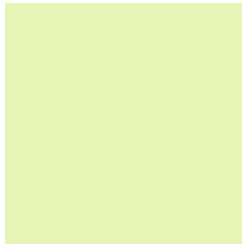


0.9469, 0.3980, 4.1172



# Previews

## White Background



This preview shows how the XYZ color 73.3243, 84.8606, 56.2312 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 73.3243, 84.8606, 56.2312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

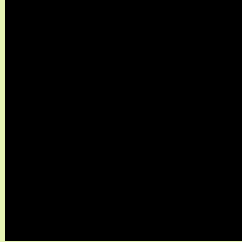
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

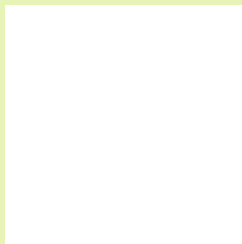
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.3243, 84.8606, 56.2312**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.3243, 84.8606, 56.2312.



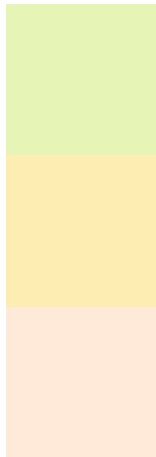
This preview shows how white text looks on a background with the XYZ color 73.3243, 84.8606,



# 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

73.3243, 84.8606, 56.2312

### Protanopia

79.1931, 84.8536, 54.3239

### Deuteranopia

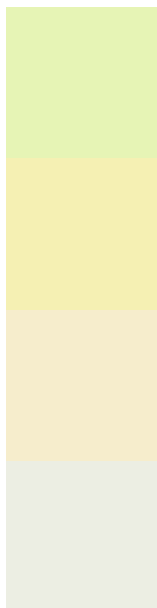
82.9033, 84.5476, 77.5955



## Tritanopia

83.3731, 85.0338, 104.9474

# Trichromacy



## Original Color

73.3243, 84.8606, 56.2312

## Protanomaly

76.9530, 84.9873, 54.9962

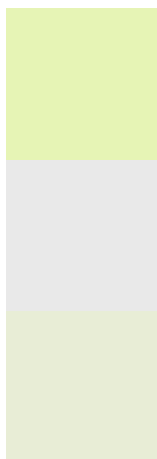
## Deuteranomaly

79.1893, 84.5208, 69.2672

## Tritanomaly

79.0317, 84.5280, 84.8232

# Monochromacy



## Original Color

73.3243, 84.8606, 56.2312

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

75.7005, 82.5792, 75.5679

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.3243, 84.8606, 56.2312 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(230, 244, 181)` looks like.

```
.text, #text, p{  
    color:rgb(230, 244, 181)  
}
```

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(230, 244, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 244, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3243, 84.8606, 56.2312 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(230, 244, 181) }
```



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

```
.border{ border-color:rgb(230, 244, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 244, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 244, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 244, 181);  
box-shadow:4px 4px 4px 4px rgb(230, 244,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.3243, 84.8606, 56.2312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 244, 181) }
```

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

```
.background{ background-color: rgb(230,  
244, 181) }
```

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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