

# Converting Colors

XYZ(75.1430, 85.7112, 44.0363)

Have a look what the booklet for  
XYZ(75.1430, 85.7112, 44.0363)  
contains.

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# Color

**XYZ(75.0135, 85.5562,  
44.0128)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F39C
RGB	243, 243, 156
RGB Percent	95%, 95%, 61%
CMY	0.0471, 0.0470, 0.3882
CMYK	0.00, 0.00, 0.36, 0.05
HSL	60°, 78%, 78%
HSV	60°, 36%, 95%
XYZ	75.0135, 85.5562, 44.0128
YIQ	233.0820, 27.9270, -27.0570

# Conversions

## Conversions Part 2

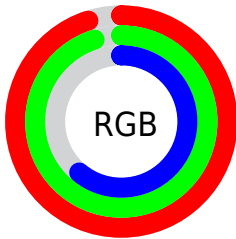
Format	Color
<a href="#">RYB</a>	<a href="#">156, 243, 156</a>
Decimal	<a href="#">15987612</a>
CIELab	<a href="#">94.12, -12.60, 41.99</a>
CIELCh	<a href="#">94, 43.838, 106.703</a>
Yxy	<a href="#">85.5562, 0.3667, 0.4182</a>
Android (android.graphics.Color)	<a href="#">4294177692</a> ( <a href="#">0xFFFF3F39C</a> )
YUV	<a href="#">233.0820, -38.0014, 8.6981</a>
Hunter-Lab	<a href="#">92.4966, -17.1079, 36.5356</a>

# Details

The XYZ color **75.0135, 85.5562, 44.0128** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.7795, 37.3180, 89.8001**, and the grayscale version is **77.7782, 81.8287, 89.1115**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **40.4682, 46.9590, 19.7631** is the 20% darker color. If you saturate the color by 10%, you get **73.1585, 84.8172, 34.2385**, and if you desaturate by 10%, it is **77.2844, 86.4677, 55.9587**.

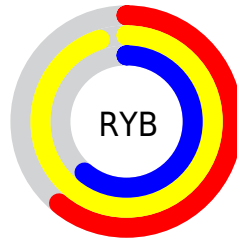
# Distribution



Red (95%)

Green (95%)

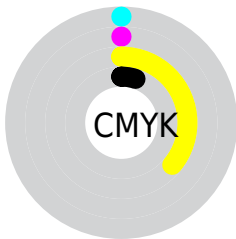
Blue (61%)



Red (61%)

Yellow (95%)

Blue (61%)

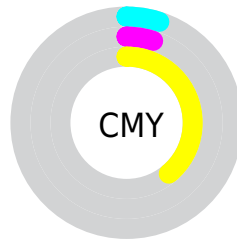


Cyan (0%)

Magenta (0%)

Yellow (36%)

Black (5%)



Cyan (5%)

Magenta (5%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0135, 85.5562, 44.0128 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 75.0135, 85.5562, 44.0128 by changing the saturation by 10% instead.





 75.0135, 85.5562,  
44.0128


 75.0135, 85.5562,  
44.0128


466.9604,  
513.4667, 378.8034

 55.9182, 64.3011,  
30.3433


 125.3193,  
141.1500, 82.5397

 40.3741, 46.8946,  
19.8451


 157.2604,  
176.2575, 108.2342

 28.0158, 32.9523,  
12.0995


194.2142,  
216.7511, 138.7740

 18.4781, 22.0899,  
6.6881

236.5460,  
263.0154, 174.5778

 11.3955, 13.9230,  
3.1924

284.6212,  
315.4347, 216.0642

 6.4028, 8.0671,  
1.1937

338.8051,

 3.1345, 4.1379,

374.3935, 263.6515

0.0000

399.4630,  
440.2760, 317.7584

■ 1.2253, 1.7510,  
0.0000

■ 0.1262, 0.4564,  
0.0000

■ 75.0135, 85.5562,  
44.0128

■ 75.0135, 85.5562,  
44.0128

■ 73.1585, 84.8172,  
34.2385

■ 77.2844, 86.4677,  
55.9587

■ 71.6885, 84.2291,  
26.5003


■ 79.9875, 87.5490,  
70.1900


■ 70.5781, 83.7848,  
20.6562


■ 83.1460, 88.8124,  
86.8190


■ 69.7965, 83.4721,  
16.5436


■ 86.7794, 90.2659,  
105.9491


 69.3076, 83.2765,  
13.9725


 87.0677, 90.3813,  
107.4641


 69.0669, 83.1802,  
12.7080

 87.0683, 90.3816,  
107.4641

 69.0107, 83.1577,  
12.4138

 87.0689, 90.3819,  
107.4642

 87.0695, 90.3822,  
107.4642

 87.0702, 90.3825,  
107.4642

# Harmonies

## Analogous

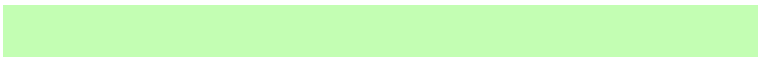
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6115, 85.5562, 43.4135



75.0135, 85.5562, 44.0128



65.9982, 85.5562, 55.5422

# Triad

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



75.0135, 85.5562, 44.0128



66.8255, 85.5562, 148.4522



105.2749, 85.5562, 108.7993

# Complementary

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



75.0135, 85.5562, 44.0128



41.7795, 37.3180, 89.8001

# 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.



98.8434, 85.5562, 144.7833



75.0135, 85.5562, 44.0128



76.2458, 85.5562, 171.1191

# Square

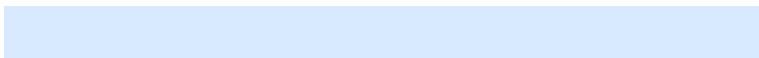
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0135, 85.5562, 44.0128



61.5913, 85.5562, 112.9593



87.9675, 85.5562, 169.6347

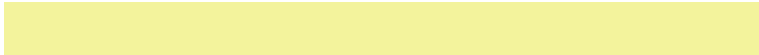


104.8638, 85.5562, 75.8143

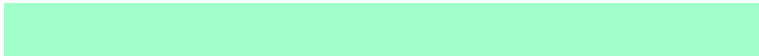


# Rectangle

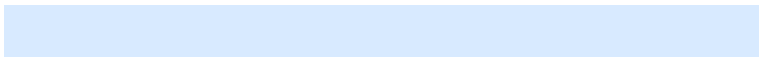
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.0135, 85.5562, 44.0128



62.3307, 85.5562, 69.8956



87.9675, 85.5562, 169.6347



103.8171, 85.5562, 121.0775

# Sweetspot

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



75.0156, 85.5601, 44.0146



90.8575, 98.3229, 86.8264



54.8542, 45.2340, 37.2935



19.3461, 21.0047, 18.0519



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

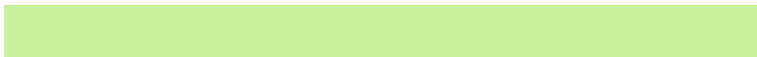
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0156, 85.5601, 44.0146



82.1349, 94.8336, 40.9055



61.7407, 78.7166, 43.3933



17.9146, 19.3136, 17.5813



37.8734, 45.6373, 6.8127



3.3287, 4.0111, 0.5988



# Inverse Universe

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



41.7795, 37.3180, 89.8001



39.9692, 33.6302, 98.9924



51.7548, 42.4604, 90.2670



15.5814, 15.9268, 20.7955



8.8791, 3.5516, 46.7556

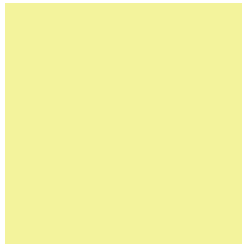


0.7804, 0.3122, 4.1094



# Previews

## White Background



This preview shows how the XYZ color 75.0135, 85.5562, 44.0128 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

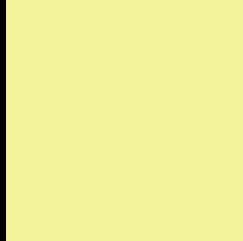
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0135, 85.5562, 44.0128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

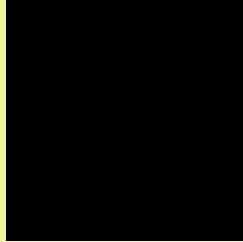
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.0135, 85.5562, 44.0128

## Background



This preview shows how black text looks on a background with the XYZ color 75.0135, 85.5562, 44.0128.



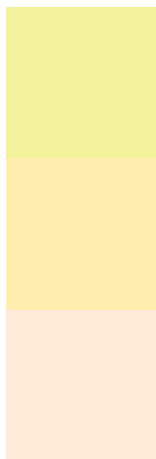
This preview shows how white text looks on a background with the XYZ color 75.0135, 85.5562,



# 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

75.0135, 85.5562, 44.0128

### Protanopia

79.4545, 85.4651, 52.3531

### Deuteranopia

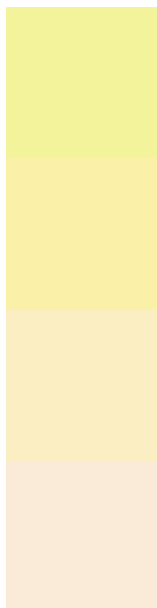
83.2141, 85.5830, 76.4233



## Tritanopia

86.7043, 85.1248, 102.3034

# Trichromacy



## Original Color

75.0135, 85.5562, 44.0128

## Protanomaly

77.9188, 85.6194, 48.9787

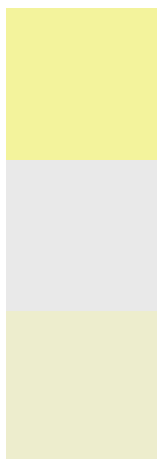
## Deuteranomaly

80.0958, 85.5533, 63.3309

## Tritanomaly

81.5273, 84.6985, 77.0172

# Monochromacy



## Original Color

75.0135, 85.5562, 44.0128

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.2287, 82.9807, 69.7568

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0135, 85.5562, 44.0128 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(243, 243, 156)` looks like.

```
.text, #text, p{  
    color:rgb(243, 243, 156)  
}
```

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(243, 243, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 243, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0135, 85.5562, 44.0128 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(243, 243, 156) }
```



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

```
.border{ border-color:rgb(243, 243, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 243, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 243, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 243, 156);  
box-shadow:4px 4px 4px 4px rgb(243, 243,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0135, 85.5562, 44.0128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 243, 156) }
```

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

```
.background{ background-color: rgb(243,  
243, 156) }
```

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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