

# Converting Colors

XYZ(75.3687, 88.8789, 45.9839)

Have a look what the booklet for XYZ(75.3687, 88.8789, 45.9839) contains.

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# Color

**XYZ(75.3687, 88.8789,  
45.9839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFA9F
RGB	237, 250, 159
RGB Percent	93%, 98%, 62%
CMY	0.0706, 0.0196, 0.3765
CMYK	0.05, 0.00, 0.36, 0.02
HSL	69°, 90%, 80%
HSV	69°, 36%, 98%
XYZ	75.3687, 88.8789, 45.9839
YIQ	235.7390, 21.4630, -31.0570

# Conversions

## Conversions Part 2

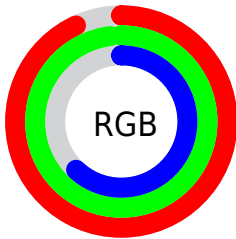
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 250, 172
Decimal	15596191
CIELab	95.53, -17.94, 42.24
CIElCh	96, 45.891, 113.010
Yxy	88.8789, 0.3585, 0.4228
Android (android.graphics.Color)	4293786271 (0xFFEDFA9F)
YUV	235.7390, -37.8323, 1.1059
Hunter-Lab	94.2756, -22.2804, 37.0736

# Details

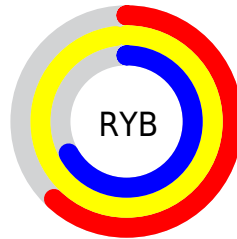
The XYZ color **75.3687, 88.8789, 45.9839** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.6700, 40.4713, 95.7995**, and the grayscale version is **79.7998, 83.9556, 91.4277**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **40.7157, 49.3275, 21.0109** is the 20% darker color. If you saturate the color by 10%, you get **72.2347, 87.4920, 35.6355**, and if you desaturate by 10%, it is **78.9697, 90.4616, 58.6479**.

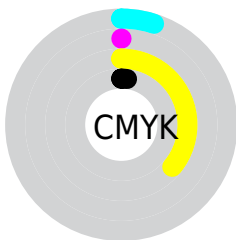
# Distribution



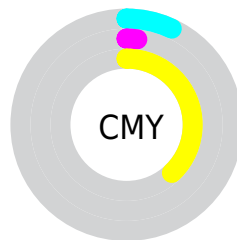
- Red (93%)
- Green (98%)
- Blue (62%)



- Red (62%)
- Yellow (98%)
- Blue (67%)



- Cyan (5%)
- Magenta (0%)
- Yellow (36%)
- Black (2%)




- Cyan (7%)
- Magenta (2%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.3687, 88.8789, 45.9839 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 75.3687, 88.8789, 45.9839 by changing the saturation by 10% instead.





 75.3687, 88.8789,  
45.9839


 75.3687, 88.8789,  
45.9839


468.1616,  
524.3772, 387.0196

 56.2102, 67.0512,  
31.8845


 125.8193,  
145.7802, 85.5289

 40.6092, 49.1262,  
21.0092


 157.8421,  
181.6225, 111.8117

 28.2001, 34.7196,  
12.9394


194.8837,  
222.9051, 142.9927

 18.6178, 23.4470,  
7.2566

237.3095,  
270.0125, 179.4904

 11.4968, 14.9239,  
3.5422

285.4848,  
323.3290, 221.7234

 6.4718, 8.7660,  
1.3777

339.7750,

 3.1774, 4.5889,

383.2390, 270.1102

0.1243

400.5455,  
450.1270, 325.0695

■ 1.2482, 2.0081,  
0.0000

■ 0.1440, 0.6122,  
0.0000

■ 75.3687, 88.8789,  
45.9839

■ 75.3687, 88.8789,  
45.9839

■ 72.2347, 87.4920,  
35.6355

■ 78.9697, 90.4616,  
58.6479

■ 69.5343, 86.2781,  
27.4569

■ 83.0556, 92.2379,  
73.7504

■ 67.2401, 85.2294,  
21.2947

■ 87.6514, 94.2210,  
91.4121

■ 65.3186, 84.3325,  
16.9729

■ 92.1265, 96.1585,  
108.3126

■ 63.7304, 83.5716,  
14.2853

■ 93.4279, 96.8294,  
108.3735

■ 62.4266, 82.9271,  
12.9747

■ 93.4775, 96.8550,  
108.3758

■ 61.9998, 82.7128,  
12.6974

# Harmonies

## Analogous

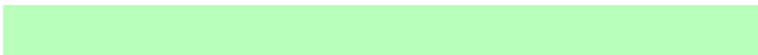
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4553, 88.8789, 43.0075



75.3687, 88.8789, 45.9839



66.5892, 88.8789, 60.7858

# Triad

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



75.3687, 88.8789, 45.9839



70.7407, 88.8789, 163.3340



110.8364, 88.8789, 105.4534

# Complementary

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



75.3687, 88.8789, 45.9839



46.6700, 40.4713, 95.7995

# 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.



105.3109, 88.8789, 144.7341



75.3687, 88.8789, 45.9839



81.5665, 88.8789, 183.1206

# Square

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



75.3687, 88.8789, 45.9839



64.1083, 88.8789, 126.4617



94.2905, 88.8789, 175.5812



108.7582, 88.8789, 72.1392



# Rectangle

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



75.3687, 88.8789, 45.9839



63.3881, 88.8789, 77.9072



94.2905, 88.8789, 175.5812



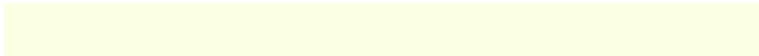
109.7898, 88.8789, 118.4646

# Sweetspot

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



75.3709, 88.8829, 45.9858



89.3987, 97.5709, 86.7581



60.2735, 52.0058, 39.6635



18.9958, 20.8241, 18.0356



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

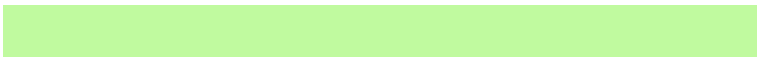
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3709, 88.8829, 45.9858



76.2875, 91.8417, 39.6137



62.2780, 82.1332, 45.3730



18.4692, 20.0577, 18.3605



32.9790, 43.9196, 6.7392



3.1191, 4.1010, 0.6272



# Inverse Universe

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



46.6700, 40.4713, 95.7995



42.1079, 34.1590, 98.9818



58.1627, 46.3961, 96.3373



16.5138, 16.7620, 21.7503



9.6039, 3.8937, 48.2189

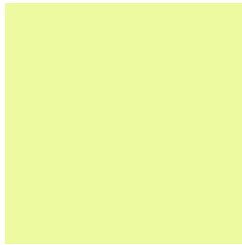


0.9572, 0.3955, 4.4691



# Previews

## White Background



This preview shows how the XYZ color 75.3687, 88.8789, 45.9839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

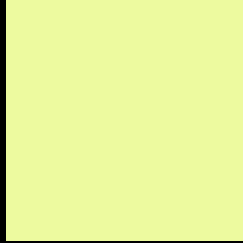
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.3687, 88.8789, 45.9839 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 75.3687, 88.8789, 45.9839**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.3687, 88.8789, 45.9839.



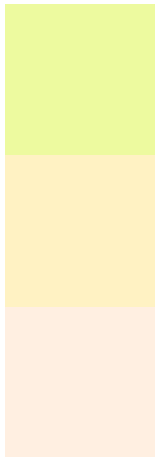
This preview shows how white text looks on a background with the XYZ color 75.3687, 88.8789,



# 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

75.3687, 88.8789, 45.9839

### Protanopia

82.8425, 88.7044, 64.3852

### Deuteranopia

85.6971, 88.4292, 83.7860



## Tritanopia

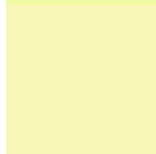
87.6279, 88.9095, 107.1505

# Trichromacy



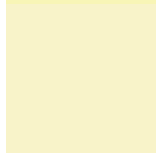
## Original Color

75.3687, 88.8789, 45.9839



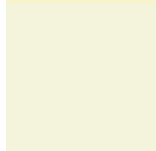
## Protanomaly

79.8073, 88.6387, 57.1586



## Deuteranomaly

81.3046, 88.2747, 68.0118



## Tritanomaly

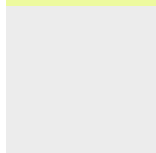
82.2771, 88.5016, 80.4562

# Monochromacy



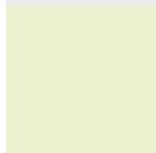
## Original Color

75.3687, 88.8789, 45.9839



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.4325, 85.2975, 72.0574

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.3687, 88.8789, 45.9839 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(237, 250, 159)` looks like.

```
.text, #text, p{  
    color:rgb(237, 250, 159)  
}
```

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(237, 250, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 250, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 75.3687, 88.8789, 45.9839 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(237, 250, 159) }
```



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

```
.border{ border-color:rgb(237, 250, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 250, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 250, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 250, 159);  
box-shadow:4px 4px 4px 4px rgb(237, 250,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.3687, 88.8789, 45.9839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 250, 159) }
```

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

```
.background{ background-color: rgb(237,  
250, 159) }
```

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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