

# Converting Colors

XYZ(75.0452, 87.1868, 52.7140)

Have a look what the booklet for  
XYZ(75.0452, 87.1868, 52.7140)  
contains.

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# Color

**XYZ(75.1617, 87.2397,  
52.9219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF7AE
RGB	235, 247, 174
RGB Percent	92%, 97%, 68%
CMY	0.0784, 0.0313, 0.3176
CMYK	0.05, 0.00, 0.30, 0.03
HSL	70°, 82%, 83%
HSV	70°, 30%, 97%
XYZ	75.1617, 87.2397, 52.9219
YIQ	235.0900, 16.2810, -25.2470

# Conversions

## Conversions Part 2

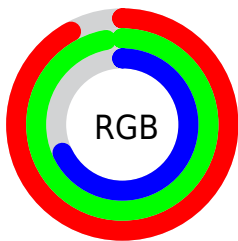
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 247, 186
Decimal	15464366
CIELab	94.84, -15.39, 33.85
CIELCh	95, 37.187, 114.444
Yxy	87.2397, 0.3491, 0.4052
Android (android.graphics.Color)	4293654446 (0xFFEBF7AE)
YUV	235.0900, -30.1174, -0.0789
Hunter-Lab	93.4022, -19.8131, 31.7877

# Details

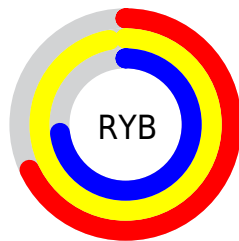
The XYZ color **75.1617, 87.2397, 52.9219** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.1776, 47.4289, 94.4053**, and the grayscale version is **79.2496, 83.3767, 90.7973**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **40.4421, 48.1071, 25.2432** is the 20% darker color. If you saturate the color by 10%, you get **71.6467, 85.6835, 41.3226**, and if you desaturate by 10%, it is **79.1547, 88.9966, 66.8584**.

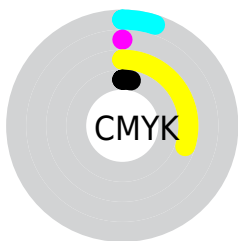
# Distribution



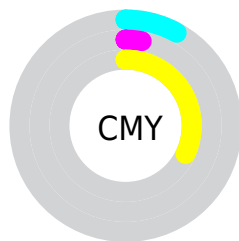
- Red (92%)
- Green (97%)
- Blue (68%)



- Red (68%)
- Yellow (97%)
- Blue (73%)



- Cyan (5%)
- Magenta (0%)
- Yellow (30%)
- Black (3%)




- Cyan (8%)
- Magenta (3%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1617, 87.2397, 52.9219 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 75.1617, 87.2397, 52.9219 by changing the saturation by 10% instead.





 75.1617, 87.2397,  
52.9219

 75.1617, 87.2397,  
52.9219


467.4618,  
519.0102, 415.0432

 56.0400, 65.6936,  
37.3531


 125.5279,  
143.4982, 95.9298

 40.4721, 48.0237,  
25.1831


157.5031,  
178.9794, 124.2060

 28.0927, 33.8457,  
15.9933

194.4936,  
219.8743, 157.5552

 18.5364, 22.7751,  
9.3651

236.8647,  
266.5675, 196.3957

 11.4378, 14.4275,  
4.8800

284.9816,  
319.4433, 241.1463

 6.4315, 8.4186,  
2.1195

339.2099,

 3.1524, 4.3639,

378.8861, 292.2253

0.6274

399.9149,  
445.2802, 350.0515

■ 1.2348, 1.8792,  
0.0000

■ 0.1336, 0.5358,  
0.0000

■ 75.1617, 87.2397,  
52.9219

■ 75.1617, 87.2397,  
52.9219

■ 71.6467, 85.6835,  
41.3226

■ 79.1547, 88.9966,  
66.8584

■ 68.5784, 84.3065,  
31.9270

■ 83.6416, 90.9516,  
83.2447

■ 65.9322, 83.1019,  
24.5966

■ 88.6457, 93.1172,  
102.1930

■ 63.6783, 82.0576,  
19.1751

■ 91.1860, 94.3007,  
108.0036

■ 61.7825, 81.1600,  
15.4836

■ 92.5526, 95.0053,  
108.0675

■ 60.2043, 80.3929,  
13.3098

■ 58.8796, 79.7306,  
12.3178

■ 58.8233, 79.7023,  
12.2838

# Harmonies

## Analogous

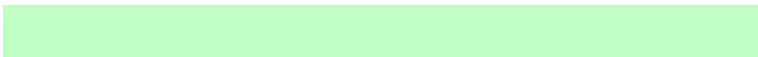
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8075, 87.2397, 49.7965



75.1617, 87.2397, 52.9219



68.1428, 87.2397, 66.2548

# Triad

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



75.1617, 87.2397, 52.9219



72.1614, 87.2397, 147.6215



103.7218, 87.2397, 100.4596

# Complementary

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



75.1617, 87.2397, 52.9219



52.1776, 47.4289, 94.4053

# 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.



99.6896, 87.2397, 131.0211



75.1617, 87.2397, 52.9219



81.0582, 87.2397, 161.5610

# Square

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



75.1617, 87.2397, 52.9219



66.5113, 87.2397, 119.8332



91.1919, 87.2397, 154.9424



101.8242, 87.2397, 73.8407

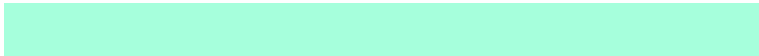


# Rectangle

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



75.1617, 87.2397, 52.9219



65.6293, 87.2397, 80.8806



91.1919, 87.2397, 154.9424



103.0056, 87.2397, 110.6499

# Sweetspot

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



75.1639, 87.2436, 52.9238



90.1976, 97.9002, 90.5239



63.3393, 57.5096, 47.8077



19.1473, 20.8858, 18.7855



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

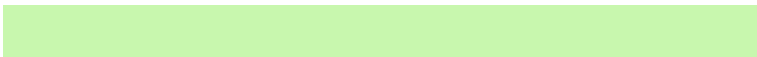
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1639, 87.2436, 52.9238



78.6648, 92.8458, 49.7312



64.6032, 81.7994, 52.4295



17.6315, 19.1676, 17.5680



31.2114, 42.2029, 6.5010



2.8129, 3.7452, 0.5746



# Inverse Universe

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



52.1776, 47.4289, 94.4053



50.5629, 44.1563, 100.4658



61.8834, 52.4324, 94.8595



15.8350, 16.0576, 20.8074



9.4324, 3.8369, 46.7815

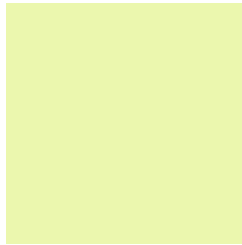


0.9011, 0.3744, 4.1150



# Previews

## White Background



This preview shows how the XYZ color 75.1617, 87.2397, 52.9219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

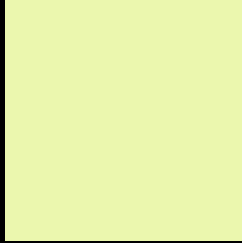
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1617, 87.2397, 52.9219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

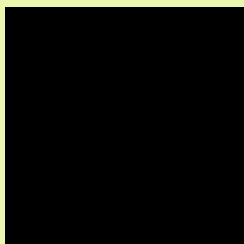
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

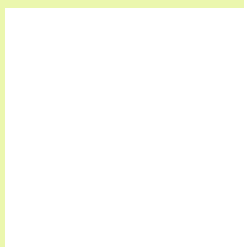
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.1617, 87.2397, 52.9219**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.1617, 87.2397, 52.9219.



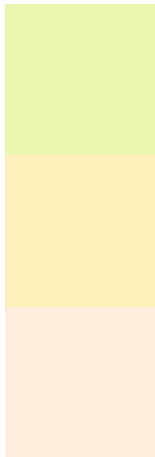
This preview shows how white text looks on a background with the XYZ color 75.1617, 87.2397,



# 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

75.1617, 87.2397, 52.9219

### Protanopia

81.3697, 87.1680, 59.5502

### Deuteranopia

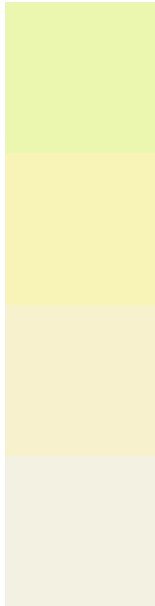
84.7090, 87.1023, 81.4550



## Tritanopia

86.3402, 87.3812, 106.9234

# Trichromacy



## Original Color

75.1617, 87.2397, 52.9219

## Protanomaly

79.2055, 87.4350, 56.9580

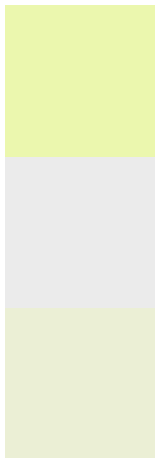
## Deuteranomaly

81.1861, 87.2748, 70.3244

## Tritanomaly

81.8007, 87.2788, 84.4866

# Monochromacy



## Original Color

75.1617, 87.2397, 52.9219

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.1377, 84.1993, 75.1373

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1617, 87.2397, 52.9219 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(235, 247, 174)` looks like.

```
.text, #text, p{  
    color:rgb(235, 247, 174)  
}
```

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(235, 247, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 247, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1617, 87.2397, 52.9219 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(235, 247, 174) }
```



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

```
.border{ border-color:rgb(235, 247, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 247, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 247, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 247, 174);  
box-shadow:4px 4px 4px 4px rgb(235, 247,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1617, 87.2397, 52.9219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 247, 174) }
```

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

```
.background{ background-color: rgb(235,  
247, 174) }
```

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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