

Converting Colors

XYZ(75.4005, 86.8615, 49.7515)

Have a look what the booklet for
XYZ(75.4005, 86.8615, 49.7515)
contains.

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Color

**XYZ(75.6203, 87.0894,
49.8701)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF6A8
RGB	239, 246, 168
RGB Percent	94%, 96%, 66%
CMY	0.0627, 0.0353, 0.3412
CMYK	0.03, 0.00, 0.32, 0.04
HSL	65°, 81%, 81%
HSV	65°, 32%, 96%
XYZ	75.6203, 87.0894, 49.8701
YIQ	235.0150, 20.8660, -25.7420

Conversions

Conversions Part 2

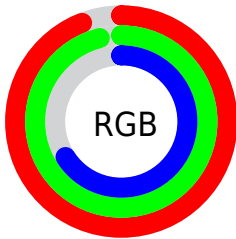
Format	Color
RYB	168, 246, 175
Decimal	15726248
CIELab	94.78, -14.18, 36.83
CIELCh	95, 39.461, 111.053
Yxy	87.0894, 0.3557, 0.4097
Android (android.graphics.Color)	4293916328 (0xFFEFF6A8)
YUV	235.0150, -33.0384, 3.4948
Hunter-Lab	93.3217, -18.6711, 33.6413

Details

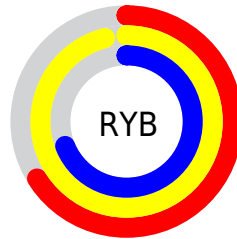
The XYZ color **75.6203, 87.0894, 49.8701** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.3196, 43.7753, 93.0965**, and the grayscale version is **79.2115, 83.3367, 90.7536**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **40.7994, 48.0098, 23.3361** is the 20% darker color. If you saturate the color by 10%, you get **72.8014, 85.8792, 38.8858**, and if you desaturate by 10%, it is **78.8864, 88.4856, 63.1419**.

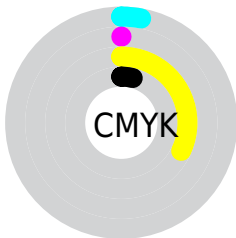
Distribution



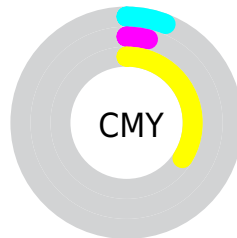
- Red (94%)
- Green (96%)
- Blue (66%)



- Red (66%)
- Yellow (96%)
- Blue (69%)



- Cyan (3%)
- Magenta (0%)
- Yellow (32%)
- Black (4%)



- Cyan (6%)
- Magenta (4%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6203, 87.0894, 49.8701 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 75.6203, 87.0894, 49.8701 by changing the saturation by 10% instead.

75.6203, 87.0894,
49.8701

75.6203, 87.0894,
49.8701

469.0113,
518.5166, 402.8782

56.4172, 65.5692,
34.9397

126.1733,
143.2887, 91.3767

40.7758, 47.9228,
23.3333

158.2538,
178.7367, 118.7900

28.3308, 33.7657,
14.6322

195.3575,
219.5959, 151.2014

18.7169, 22.7137,
8.4179

237.8498,
266.2510, 189.0294

11.5687, 14.3822,
4.2719

286.0959,
319.0862, 232.6925

6.5208, 8.3870,
1.7757

340.4613,

3.2079, 4.3436,

378.4859, 282.6094

0.4118

401.3113,
444.8346, 339.1984

■ 1.2647, 1.8675,
0.0000

■ 0.1565, 0.5288,
0.0000

■ 75.6203, 87.0894,
49.8701

■ 75.6203, 87.0894,
49.8701

■ 72.8014, 85.8792,
38.8858

■ 78.8864, 88.4856,
63.1419

■ 70.3984, 84.8334,
30.0543

■ 82.6156, 90.0650,
78.8146

■ 68.3867, 83.9452,
23.2356

■ 86.8312, 91.8401,
97.0008

■ 66.7359, 83.2024,
18.2707

■ 89.6617, 93.0622,
107.8449

■ 65.4114, 82.5911,
14.9767

■ 90.4490, 93.4681,
107.8817

■ 64.3712, 82.0946,
13.1337

■ 91.2457, 93.8787,
107.9190

■ 63.6708, 81.7485,
12.4232

■ 92.0516, 94.2942,
107.9567

■ 92.2476, 94.3953,
107.9659

Harmonies

Analogous

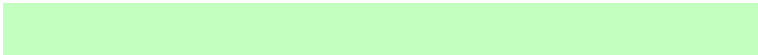
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0089, 87.0894, 47.8090



75.6203, 87.0894, 49.8701



67.8188, 87.0894, 62.4697

Triad

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



75.6203, 87.0894, 49.8701



70.5338, 87.0894, 148.2750



104.7489, 87.0894, 104.2636

Complementary

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



75.6203, 87.0894, 49.8701



48.3196, 43.7753, 93.0965

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.



99.7847, 87.0894, 136.7783



75.6203, 87.0894, 49.8701



79.6249, 87.0894, 165.5416

Square

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



75.6203, 87.0894, 49.8701



65.0623, 87.0894, 117.5450



90.3692, 87.0894, 160.9339



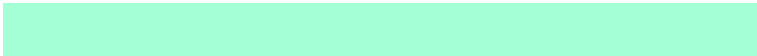
103.4438, 87.0894, 75.2402

Rectangle

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



75.6203, 87.0894, 49.8701



64.8429, 87.0894, 76.9929



90.3692, 87.0894, 160.9339



103.7433, 87.0894, 115.2188

Sweetspot

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



75.6225, 87.0933, 49.8719



90.3752, 98.0333, 88.6543



60.3097, 52.8879, 44.0767



19.2127, 20.9277, 18.4145



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

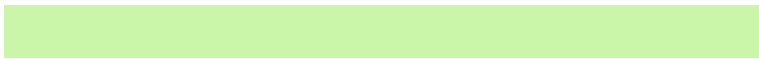
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6225, 87.0933, 49.8719



80.0505, 93.6387, 46.2479



63.9800, 81.0914, 49.3271



17.7593, 19.2335, 17.5740



34.0454, 43.6639, 6.6336



3.0344, 3.8594, 0.5850

Inverse Universe

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



48.3196, 43.7753, 93.0965



46.1886, 39.9019, 99.8752



58.2258, 48.8821, 93.5601



15.7191, 15.9979, 20.8020



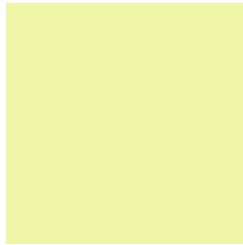
9.1051, 3.6681, 46.7662



0.8463, 0.3461, 4.1124

Previews

White Background



This preview shows how the XYZ color 75.6203, 87.0894, 49.8701 looks on a white background.

Color Contrast Check

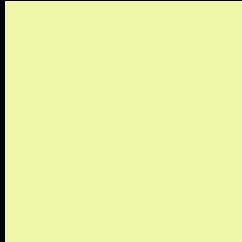
Large Text (above 18pt) WCAG AA × Fail

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 75.6203, 87.0894, 49.8701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

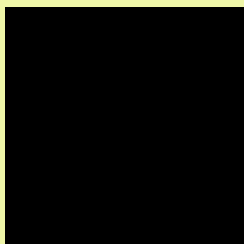
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

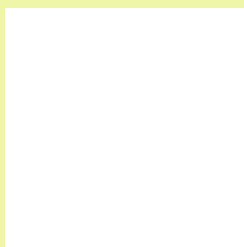
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.6203, 87.0894, 49.8701

Background



This preview shows how black text looks on a background with the XYZ color 75.6203, 87.0894, 49.8701.

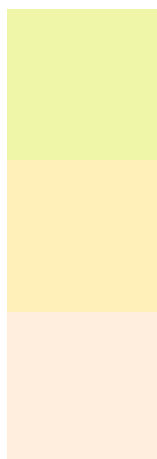


This preview shows how white text looks on a background with the XYZ color 75.6203, 87.0894,

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

75.6203, 87.0894, 49.8701

Protanopia

81.1570, 87.0830, 58.4302

Deuteranopia

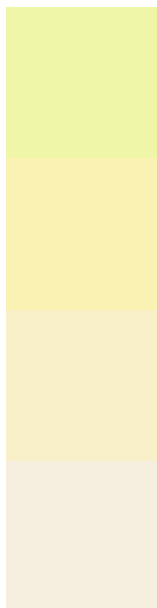
84.5753, 87.0488, 80.7511



Tritanopia

87.0221, 86.8964, 105.9521

Trichromacy



Original Color

75.6203, 87.0894, 49.8701

Protanomaly

78.9557, 86.8987, 55.2595

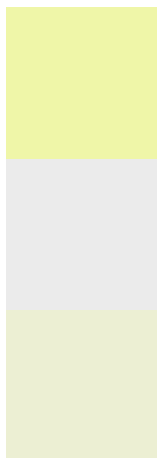
Deuteranomaly

80.8877, 86.7242, 68.3533

Tritanomaly

82.1918, 86.6535, 82.2059

Monochromacy



Original Color

75.6203, 87.0894, 49.8701

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

77.2164, 84.2690, 73.8238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.6203, 87.0894, 49.8701 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(239, 246, 168)` looks like.

```
.text, #text, p{  
    color:rgb(239, 246, 168)  
}
```

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(239, 246, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 246, 168) }
```

Border

The CSS property to change the border of an element to XYZ 75.6203, 87.0894, 49.8701 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(239, 246, 168) }
```


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

```
.border{ border-color:rgb(239, 246, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 246, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 246, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 246, 168);  
box-shadow:4px 4px 4px 4px rgb(239, 246,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 75.6203, 87.0894, 49.8701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 246, 168) }
```

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

```
.background{ background-color: rgb(239,  
246, 168) }
```

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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