

Converting Colors

XYZ(73.7946, 87.2744, 50.8920)

Have a look what the booklet for
XYZ(73.7946, 87.2744, 50.8920)
contains.

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Color

**XYZ(74.0864, 87.6426,
51.0422)**

Conversions

Conversions Part 1

Format	Color
Hex	E7F9AA
RGB	231, 249, 170
RGB Percent	91%, 98%, 67%
CMY	0.0941, 0.0235, 0.3333
CMYK	0.07, 0.00, 0.32, 0.02
HSL	74°, 87%, 82%
HSV	74°, 32%, 98%
XYZ	74.0864, 87.6426, 51.0422
YIQ	234.6120, 14.6310, -28.3850

Conversions

Conversions Part 2

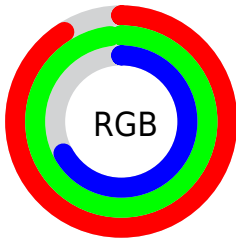
Format	Color
RYB	170, 249, 188
Decimal	15202730
CIELab	95.01, -18.34, 36.03
CIELCh	95, 40.430, 116.974
Yxy	87.6426, 0.3482, 0.4119
Android (android.graphics.Color)	4293392810 (0xFFE7F9AA)
YUV	234.6120, -31.8537, -3.1677
Hunter-Lab	93.6176, -22.5709, 33.2062

Details

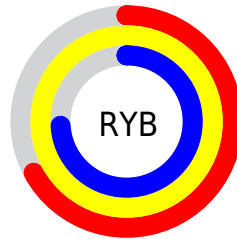
The XYZ color **74.0864, 87.6426, 51.0422** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **52.2161, 46.2828, 95.8089**, and the grayscale version is **78.8992, 83.0081, 90.3959**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **39.9600, 48.5382, 24.0923** is the 20% darker color. If you saturate the color by 10%, you get **70.1491, 85.8625, 39.7052**, and if you desaturate by 10%, it is **78.5337, 89.6396, 64.7354**.

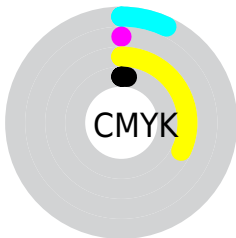
Distribution



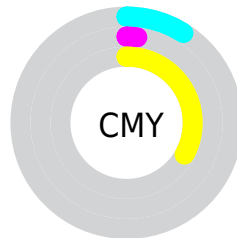
- Red (91%)
- Green (98%)
- Blue (67%)



- Red (67%)
- Yellow (98%)
- Blue (74%)



- Cyan (7%)
- Magenta (0%)
- Yellow (32%)
- Black (2%)



- Cyan (9%)
- Magenta (2%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.0864, 87.6426, 51.0422 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 74.0864, 87.6426, 51.0422 by changing the saturation by 10% instead.

74.0864, 87.6426,
51.0422

74.0864, 87.6426,
51.0422

463.8172,
520.3321, 407.5790

55.1563, 66.0271,
35.8652

124.0131,
144.0595, 93.1293

39.7612, 48.2944,
24.0413

155.7404,
179.6297, 120.8765

27.5358, 34.0601,
15.1517

192.4642,
220.6202, 153.6509

18.1147, 22.9398,
8.7782

234.5498,
267.4155, 191.8709

11.1325, 14.5490,
4.5019

282.3625,
320.4000, 235.9552

6.2240, 8.5035,
1.9045

336.2678,

3.0237, 4.4188,

379.9579, 286.3223

0.4956

396.6309,
446.4739, 343.3907

■ 1.1663, 1.9105,
0.0000

■ 0.0795, 0.5547,
0.0000

■ 74.0864, 87.6426,
51.0422

■ 74.0864, 87.6426,
51.0422

■ 70.1491, 85.8625,
39.7052

■ 78.5337, 89.6396,
64.7354

■ 66.6894, 84.2772,
30.5857

■ 83.5083, 91.8514,
80.9017

■ 63.6811, 82.8792,
23.5392

■ 89.0344, 94.2908,
99.6571

■ 61.0926, 81.6558,
18.4020

■ 92.6912, 95.9896,
108.2502

■ 58.8874, 80.5924,
14.9855

■ 93.1676, 96.2351,
108.2725

■ 57.0220, 79.6713,
13.0629

■ 55.6804, 78.9949,
12.3129

Harmonies

Analogous

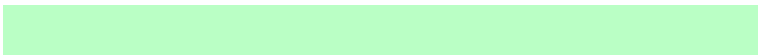
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4215, 87.6426, 46.8815



74.0864, 87.6426, 51.0422



66.8224, 87.6426, 66.1171

Triad

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



74.0864, 87.6426, 51.0422



72.3149, 87.6426, 155.6400



106.2171, 87.6426, 98.6565

Complementary

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



74.0864, 87.6426, 51.0422



52.2161, 46.2828, 95.8089

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.



102.2893, 87.6426, 132.3280



74.0864, 87.6426, 51.0422



82.1918, 87.6426, 169.4517

Square

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



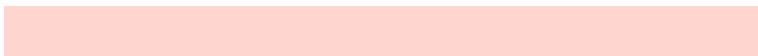
74.0864, 87.6426, 51.0422



65.8646, 87.6426, 125.5696



93.2511, 87.6426, 160.1060



103.5730, 87.6426, 70.5424

Rectangle

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



74.0864, 87.6426, 51.0422



64.3764, 87.6426, 82.4358



93.2511, 87.6426, 160.1060



105.6140, 87.6426, 109.7180

Sweetspot

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



74.0886, 87.6465, 51.0441



89.1069, 97.3795, 88.5950



64.1208, 58.6348, 45.9696



18.9039, 20.7686, 18.4001



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

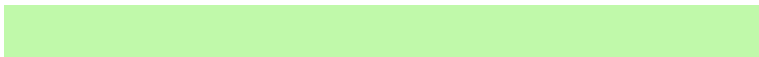
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.0886, 87.6465, 51.0441



75.5168, 91.3015, 46.0357



62.9698, 81.9146, 50.5237



18.3179, 19.9796, 18.3534



29.9327, 42.3492, 6.5966



2.8634, 3.9692, 0.6152

Inverse Universe

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



52.2161, 46.2828, 95.8089



49.1593, 41.4333, 100.0142



63.0344, 51.8598, 96.3152



16.6531, 16.8338, 21.7568



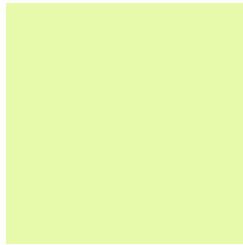
10.1493, 4.1748, 48.2444



1.0280, 0.4320, 4.4724

Previews

White Background



This preview shows how the XYZ color 74.0864, 87.6426, 51.0422 looks on a white background.

Color Contrast Check

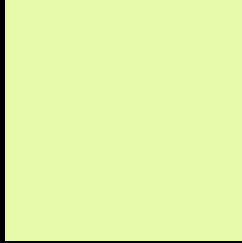
Large Text (above 18pt) WCAG AA × Fail

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 74.0864, 87.6426, 51.0422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

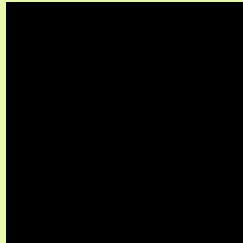
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

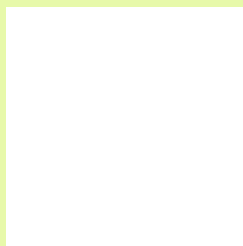
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.0864, 87.6426, 51.0422

Background



This preview shows how black text looks on a background with the XYZ color 74.0864, 87.6426, 51.0422.

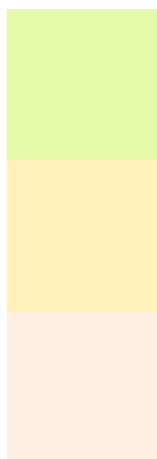


This preview shows how white text looks on a background with the XYZ color 74.0864, 87.6426,

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

74.0864, 87.6426, 51.0422

Protanopia

81.4772, 87.2110, 60.1161

Deuteranopia

84.8435, 87.1561, 82.1631



Tritanopia

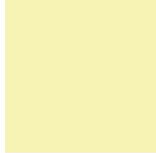
85.2425, 87.2463, 106.9552

Trichromacy



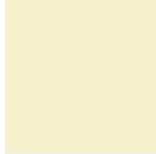
Original Color

74.0864, 87.6426, 51.0422



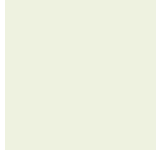
Protanomaly

78.3971, 87.0302, 56.3826



Deuteranomaly

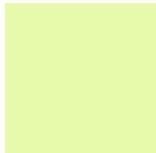
80.3604, 86.8631, 69.6575



Tritanomaly

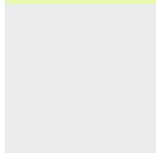
80.4666, 87.0632, 83.0848

Monochromacy



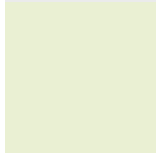
Original Color

74.0864, 87.6426, 51.0422



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.8496, 84.5158, 73.8908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.0864, 87.6426, 51.0422 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(231, 249, 170)` looks like.

```
.text, #text, p{  
    color:rgb(231, 249, 170)  
}
```

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(231, 249, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 249, 170) }
```

Border

The CSS property to change the border of an element to XYZ 74.0864, 87.6426, 51.0422 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(231, 249, 170) }
```


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

```
.border{ border-color:rgb(231, 249, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 249, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 249, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 249, 170);  
box-shadow:4px 4px 4px 4px rgb(231, 249,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 74.0864, 87.6426, 51.0422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 249, 170) }
```

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

```
.background{ background-color: rgb(231,  
249, 170) }
```

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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