

Converting Colors

XYZ(76.3301, 86.5189, 51.2007)

Have a look what the booklet for
XYZ(76.3301, 86.5189, 51.2007)
contains.

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Color

**XYZ(76.3193, 86.5189,
51.2054)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F4AB
RGB	242, 244, 171
RGB Percent	95%, 96%, 67%
CMY	0.0510, 0.0431, 0.3294
CMYK	0.01, 0.00, 0.30, 0.04
HSL	62°, 77%, 81%
HSV	62°, 30%, 96%
XYZ	76.3193, 86.5189, 51.2054
YIQ	235.0800, 22.2410, -23.1270

Conversions

Conversions Part 2

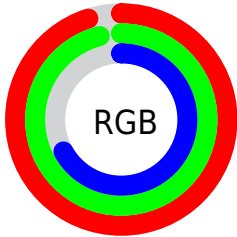
Format	Color
RYB	171, 244, 173
Decimal	15922347
CIELab	94.53, -11.71, 35.05
CIELCh	95, 36.949, 108.473
Yxy	86.5189, 0.3566, 0.4042
Android (android.graphics.Color)	4294112427 (0xFFFF2F4AB)
YUV	235.0800, -31.5914, 6.0688
Hunter-Lab	93.0155, -16.3178, 32.4715

Details

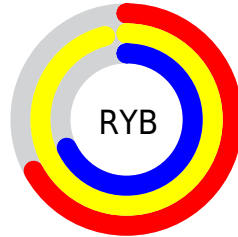
The XYZ color **76.3193, 86.5189, 51.2054** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.1289, 44.5439, 91.6541**, and the grayscale version is **79.2496, 83.3768, 90.7973**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **41.2608, 47.5887, 24.1504** is the 20% darker color. If you saturate the color by 10%, you get **73.9761, 85.5581, 40.0556**, and if you desaturate by 10%, it is **79.0971, 87.6597, 64.6201**.

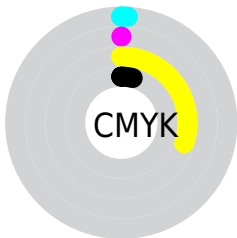
Distribution



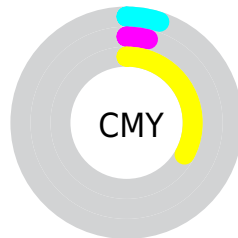
- Red (95%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (68%)



- Cyan (1%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)



- Cyan (5%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3193, 86.5189, 51.2054 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 76.3193, 86.5189, 51.2054 by changing the saturation by 10% instead.

76.3193, 86.5189,
51.2054

76.3193, 86.5189,
51.2054

471.3676,
516.6407, 408.2306

56.9923, 65.0971,
35.9942

127.1561,
142.4934, 93.3729

41.2392, 47.5399,
24.1401

159.3967,
177.8149, 121.1664

28.6945, 33.4626,
15.2244

196.6725,
218.5384, 153.9910

18.9930, 22.4811,
8.8287

239.3489,
265.0484, 192.2653

11.7692, 14.2108,
4.5343

287.7912,
317.7293, 236.4079

6.6578, 8.2674,
1.9228

342.3649,

3.2934, 4.2666,

376.9653, 286.8373

0.5072

403.4353,
443.1410, 343.9720

■ 1.3108, 1.8238,
0.0000

■ 0.1913, 0.5019,
0.0000

■ 76.3193, 86.5189,
51.2054

■ 76.3193, 86.5189,
51.2054

■ 73.9761, 85.5581,
40.0556

■ 79.0971, 87.6597,
64.6201

■ 72.0373, 84.7561,
31.0405

■ 82.3249, 88.9775,
80.4092

■ 70.4791, 84.1065,
24.0255

■ 86.0250, 90.4844,
98.6818

■ 69.2726, 83.5977,
18.8580

■ 87.9480, 91.2805,
107.5913

68.3847, 83.2163,
15.3637

88.1820, 91.4011,
107.6022

67.7759, 82.9468,
13.3353

88.4168, 91.5222,
107.6132

67.3812, 82.7629,
12.4292

88.6524, 91.6437,
107.6243

67.3783, 82.7616,
12.4234

88.8890, 91.7656,
107.6353

89.1263, 91.8880,
107.6464

Harmonies

Analogous

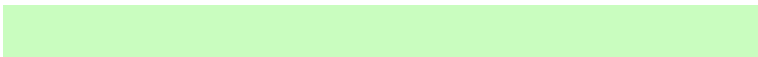
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1165, 86.5189, 50.0697



76.3193, 86.5189, 51.2054



68.7260, 86.5189, 62.3470

Triad

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



76.3193, 86.5189, 51.2054



70.1904, 86.5189, 141.4667



102.4405, 86.5189, 105.5838

Complementary

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



76.3193, 86.5189, 51.2054



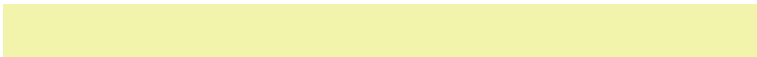
48.1289, 44.5439, 91.6541

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.



97.4044, 86.5189, 135.4005



76.3193, 86.5189, 51.2054



78.4693, 86.5189, 158.7373

Square

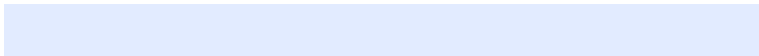
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3193, 86.5189, 51.2054



65.3893, 86.5189, 112.6540



88.4459, 86.5189, 156.3170



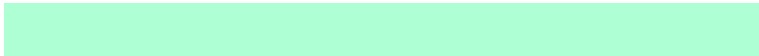
101.7475, 86.5189, 77.8878

Rectangle

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



76.3193, 86.5189, 51.2054



65.6891, 86.5189, 75.4947



88.4459, 86.5189, 156.3170



101.3460, 86.5189, 115.7749

Sweetspot

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



76.3215, 86.5228, 51.2072



91.3410, 98.4896, 90.5774



59.4556, 51.7631, 45.3869



19.4310, 21.0320, 18.7988



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.



76.3215, 86.5228, 51.2072



82.7068, 94.9562, 48.7136



65.2370, 80.8085, 50.6885



17.8670, 19.2890, 17.5790



36.6547, 45.0090, 6.7557



3.2356, 3.9631, 0.5944

Inverse Universe

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



48.1289, 44.5439, 91.6541



46.8505, 41.5625, 100.1608



57.1091, 49.1734, 92.0744



15.6232, 15.9484, 20.7975



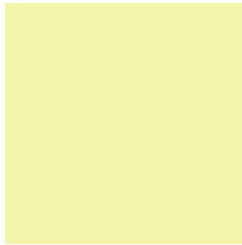
8.9429, 3.5846, 46.7586



0.8005, 0.3225, 4.1103

Previews

White Background



This preview shows how the XYZ color 76.3193, 86.5189, 51.2054 looks on a white background.

Color Contrast Check

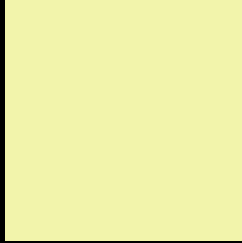
Large Text (above 18pt) WCAG AA × Fail

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 76.3193, 86.5189, 51.2054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

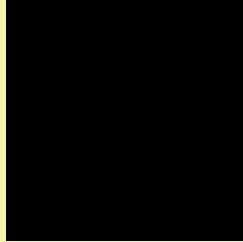
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.3193, 86.5189, 51.2054

Background



This preview shows how black text looks on a background with the XYZ color 76.3193, 86.5189, 51.2054.



This preview shows how white text looks on a background with the XYZ color 76.3193, 86.5189,

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

76.3193, 86.5189, 51.2054

Protanopia

80.5500, 86.3704, 56.6817

Deuteranopia

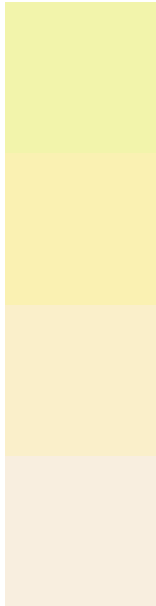
84.1537, 86.4182, 79.9552



Tritanopia

87.1384, 86.5694, 104.2123

Trichromacy



Original Color

76.3193, 86.5189, 51.2054

Protanomaly

78.9155, 86.4489, 54.6465

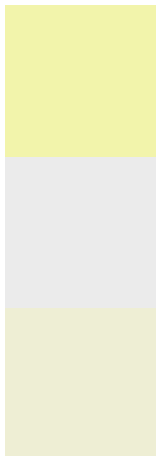
Deuteranomaly

80.9515, 86.3213, 68.2722

Tritanomaly

82.6052, 86.4332, 82.1416

Monochromacy



Original Color

76.3193, 86.5189, 51.2054

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

77.7181, 84.0797, 74.4202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3193, 86.5189, 51.2054 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(242, 244, 171)` looks like.

```
.text, #text, p{  
    color:rgb(242, 244, 171)  
}
```

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(242, 244, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 244, 171) }
```

Border

The CSS property to change the border of an element to XYZ 76.3193, 86.5189, 51.2054 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(242, 244, 171) }
```


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

```
.border{ border-color:rgb(242, 244, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 244, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 244, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 244, 171);  
box-shadow:4px 4px 4px 4px rgb(242, 244,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3193, 86.5189, 51.2054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 244, 171) }
```

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

```
.background{ background-color: rgb(242,  
244, 171) }
```

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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