

Converting Colors

XYZ(76.7366, 86.5514, 51.1533)

Have a look what the booklet for
XYZ(76.7366, 86.5514, 51.1533)
contains.

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Color

**XYZ(77.0096, 86.8747,
51.2377)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F4AB
RGB	244, 244, 171
RGB Percent	96%, 96%, 67%
CMY	0.0431, 0.0431, 0.3294
CMYK	0.00, 0.00, 0.30, 0.04
HSL	60°, 77%, 81%
HSV	60°, 30%, 96%
XYZ	77.0096, 86.8747, 51.2377
YIQ	235.6780, 23.4330, -22.7030

Conversions

Conversions Part 2

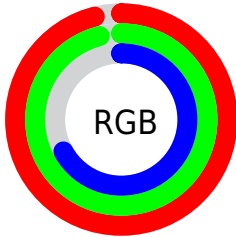
Format	Color
RYB	171, 244, 171
Decimal	16053419
CIELab	94.69, -10.96, 35.27
CIELCh	95, 36.938, 107.265
Yxy	86.8747, 0.3580, 0.4038
Android (android.graphics.Color)	4294243499 (0xFFFF4F4AB)
YUV	235.6780, -31.8863, 7.2984
Hunter-Lab	93.2066, -15.6304, 32.6516

Details

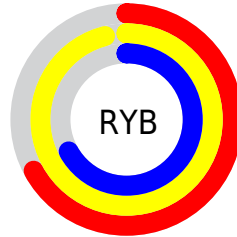
The XYZ color **77.0096, 86.8747, 51.2377** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **47.6898, 44.3176, 91.6335**, and the grayscale version is **79.7080, 83.8590, 91.3224**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **41.7468, 47.8392, 24.1731** is the 20% darker color. If you saturate the color by 10%, you get **74.8955, 86.0320, 40.0986**, and if you desaturate by 10%, it is **79.5575, 87.8970, 64.6416**.

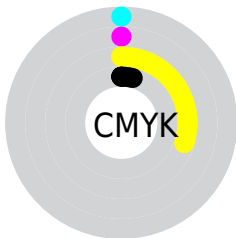
Distribution



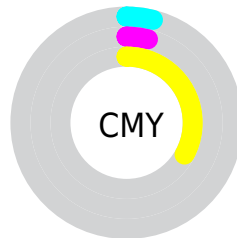
- Red (96%)
- Green (96%)
- Blue (67%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0096, 86.8747, 51.2377 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 77.0096, 86.8747, 51.2377 by changing the saturation by 10% instead.

77.0096, 86.8747,
51.2377

77.0096, 86.8747,
51.2377

473.6882,
517.8110, 408.3595

57.5607, 65.3915,
36.0198

128.1258,
142.9895, 93.4211

41.6975, 47.7786,
24.1597

160.5238,
178.3899, 121.2237

29.0546, 33.6516,
15.2388

197.9689,
219.1981, 154.0583

19.2666, 22.6261,
8.8387

240.8265,
265.7986, 192.3433

11.9682, 14.3177,
4.5407

289.4618,
318.5758, 236.4975

6.7941, 8.3419,
1.9264

344.2403,

3.3788, 4.3145,

377.9140, 286.9392

0.5095

405.5273,
444.1976, 344.0870

■ 1.3571, 1.8510,
0.0000

■ 0.2254, 0.5187,
0.0000

■ 77.0096, 86.8747,
51.2377

■ 77.0096, 86.8747,
51.2377

■ 74.8955, 86.0320,
40.0986

■ 79.5575, 87.8970,
64.6416

■ 73.1849, 85.3477,
31.0942


■ 82.5545, 89.0959,
80.4199


■ 71.8540, 84.8153,
24.0898


■ 86.0231, 90.4834,
98.6817


■ 70.8741, 84.4232,
18.9329


■ 87.7136, 91.1596,
107.5803


 70.2119, 84.1582,
15.4493


 87.7143, 91.1600,
107.5803


 69.8280, 84.0046,
13.4313


 87.7150, 91.1603,
107.5804

 69.6572, 83.9362,
12.5357

 87.7156, 91.1607,
107.5804

 69.6561, 83.9358,
12.5300

 87.7163, 91.1610,
107.5804

 87.7170, 91.1614,
107.5805

Harmonies

Analogous

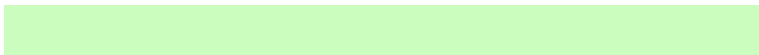
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8723, 86.8747, 50.4948



77.0096, 86.8747, 51.2377



69.2710, 86.8747, 61.9995

Triad

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



77.0096, 86.8747, 51.2377



70.2287, 86.8747, 140.9423



102.7270, 86.8747, 107.2242

Complementary

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



77.0096, 86.8747, 51.2377



47.6898, 44.3176, 91.6335

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.



97.4748, 86.8747, 136.9758



77.0096, 86.8747, 51.2377



78.4156, 86.8747, 158.9182

Square

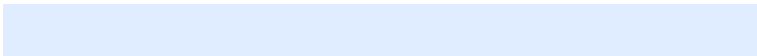
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0096, 86.8747, 51.2377



65.5779, 86.8747, 111.8476



88.3956, 86.8747, 157.3357



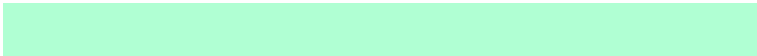
102.2739, 86.8747, 79.2089

Rectangle

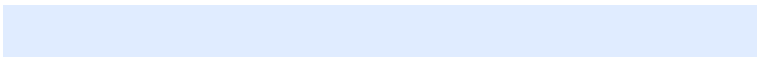
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0096, 86.8747, 51.2377



66.1163, 86.8747, 74.9124



88.3956, 86.8747, 157.3357



101.5535, 86.8747, 117.4470

Sweetspot

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



77.0118, 86.8786, 51.2395



91.5719, 98.6087, 90.5882



59.2246, 51.3013, 45.3099



19.4885, 21.0616, 18.8015



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

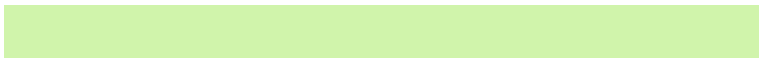
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0118, 86.8786, 51.2395



83.6261, 95.4301, 48.7567



65.5767, 80.9836, 50.7044



17.9146, 19.3135, 17.5813



37.8731, 45.6371, 6.8127



3.3287, 4.0111, 0.5988

Inverse Universe

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



47.6898, 44.3176, 91.6335



46.3295, 41.2939, 100.1364



56.7667, 48.9969, 92.0583



15.5814, 15.9268, 20.7955



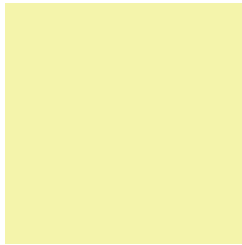
8.8791, 3.5517, 46.7556



0.7804, 0.3122, 4.1094

Previews

White Background



This preview shows how the XYZ color 77.0096, 86.8747, 51.2377 looks on a white background.

Color Contrast Check

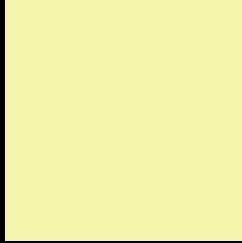
Large Text (above 18pt) WCAG AA × Fail

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 77.0096, 86.8747, 51.2377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

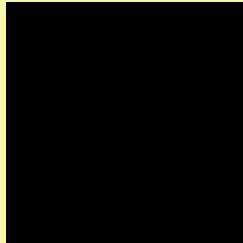
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.0096, 86.8747, 51.2377

Background



This preview shows how black text looks on a background with the XYZ color 77.0096, 86.8747, 51.2377.

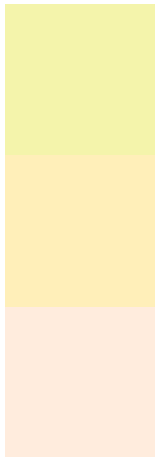


This preview shows how white text looks on a background with the XYZ color 77.0096, 86.8747,

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

77.0096, 86.8747, 51.2377

Protanopia

80.8635, 86.4958, 58.3323

Deuteranopia

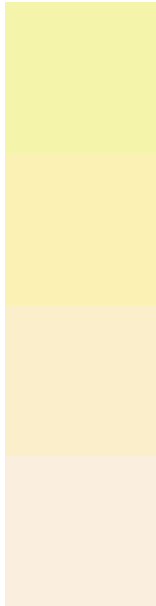
84.2866, 86.4714, 80.6549



Tritanopia

87.8666, 86.9447, 104.2464

Trichromacy



Original Color

77.0096, 86.8747, 51.2377

Protanomaly

79.4772, 86.7151, 55.7288

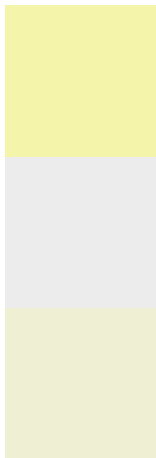
Deuteranomaly

81.4297, 86.5540, 68.9147

Tritanomaly

83.3182, 86.8008, 82.1749

Monochromacy



Original Color

77.0096, 86.8747, 51.2377

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.3468, 84.8372, 74.5333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0096, 86.8747, 51.2377 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(244, 244, 171)` looks like.

```
.text, #text, p{  
    color:rgb(244, 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(244, 244, 171) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 77.0096, 86.8747, 51.2377 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(244, 244, 171) }
```


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

```
.border{ border-color:rgb(244, 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(244, 244, 171)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 77.0096, 86.8747, 51.2377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(244,  
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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