

Converting Colors

XYZ(77.3804, 87.3522, 75.0703)

Have a look what the booklet for
XYZ(77.3804, 87.3522, 75.0703)
contains.

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Color

**XYZ(77.4726, 87.4880,
75.0910)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F6D4
RGB	230, 246, 212
RGB Percent	90%, 96%, 83%
CMY	0.0980, 0.0353, 0.1686
CMYK	0.07, 0.00, 0.14, 0.04
HSL	88°, 65%, 90%
HSV	88°, 14%, 96%
XYZ	77.4726, 87.4880, 75.0910
YIQ	237.3400, 1.3780, -13.9660

Conversions

Conversions Part 2

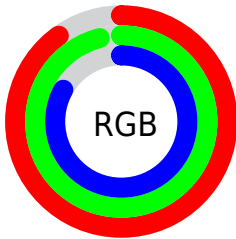
Format	Color
R_{YB}	212, 246, 228
Decimal	15136468
CIE _{Lab}	94.94, -11.15, 14.58
CIE _{LCh}	95, 18.358, 127.401
Yxy	87.4880, 0.3227, 0.3645
Android (android.graphics.Color)	4293326548 (0xFFE6F6D4)
YUV	237.3400, -12.4926, -6.4372
Hunter-Lab	93.5350, -15.8394, 17.8758

Details

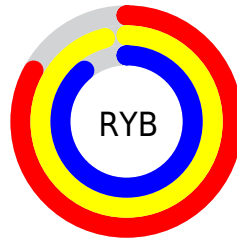
The XYZ color **77.4726, 87.4880, 75.0910** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.1764, 70.2372, 96.9464**, and the grayscale version is **80.8528, 85.0635, 92.6341**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9548, 48.2599, 39.0021** is the 20% darker color. If you saturate the color by 10%, you get **71.0102, 84.4908, 59.8050**, and if you desaturate by 10%, it is **84.6595, 90.8092, 92.8825**.

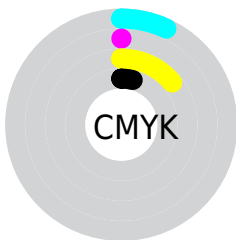
Distribution



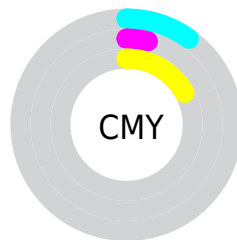
- Red (90%)
- Green (96%)
- Blue (83%)



- Red (83%)
- Yellow (96%)
- Blue (89%)



- Cyan (7%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)



- Cyan (10%)
- Magenta (4%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4726, 87.4880, 75.0910 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 77.4726, 87.4880, 75.0910 by changing the saturation by 10% instead.

77.4726, 87.4880,
75.0910

77.4726, 87.4880,
75.0910

475.2411,
519.8251, 497.4941

57.9421, 65.8991,
55.1853

128.7757,
143.8441, 128.1895

42.0052, 48.1905,
39.1505

161.2790,
179.3802, 162.2192

29.2965, 33.9778,
26.5681

198.8373,
220.3341, 201.7941

19.4506, 22.8765,
17.0195

241.8160,
267.0902, 247.3327

12.1023, 14.5024,
10.0863

290.5803,
320.0330, 299.2534

6.8861, 8.4709,
5.3499

345.4957,

3.4366, 4.3977,

379.5468, 357.9748

2.3917

406.9275,
446.0160, 423.9155

■ 1.3887, 1.8984,
0.7819

■ 0.2481, 0.5474,
0.0000

■ 77.4726, 87.4880,
75.0910

■ 77.4726, 87.4880,
75.0910

■ 71.0102, 84.4908,
59.8050

■ 84.6595, 90.8092,
92.8825

■ 65.2391, 81.7952,
46.9064

■ 91.5733, 94.0475,
107.9343

■ 60.1337, 79.3933,
36.2759

■ 92.2475, 94.3950,
107.9658

■ 55.6642, 77.2725,
27.7817

■ 51.7976, 75.4191,
21.2783

■ 48.4975, 73.8180,
16.6024

■ 45.7225, 72.4518,
13.5643

■ 43.4227, 71.2999,
11.9330

■ 42.1970, 70.6782,
11.4182

Harmonies

Analogous

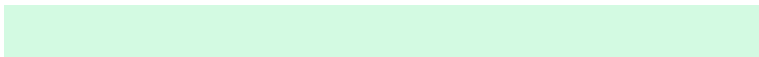
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9272, 87.4880, 70.5682



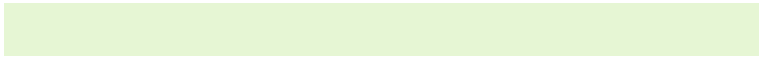
77.4726, 87.4880, 75.0910



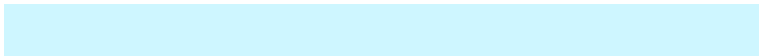
74.6232, 87.4880, 85.1043

Triad

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



77.4726, 87.4880, 75.0910



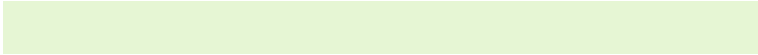
79.5288, 87.4880, 122.8897



93.0175, 87.4880, 91.7700

Complementary

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



77.4726, 87.4880, 75.0910



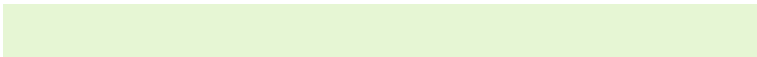
72.1764, 70.2372, 96.9464

Split Complementary

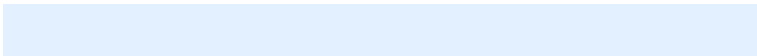
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.3129, 87.4880, 106.1922



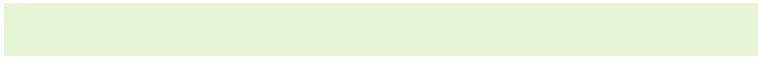
77.4726, 87.4880, 75.0910



84.3945, 87.4880, 125.1278

Square

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



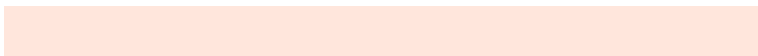
77.4726, 87.4880, 75.0910



75.7768, 87.4880, 112.9081



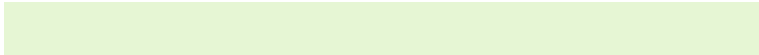
89.1081, 87.4880, 118.7502



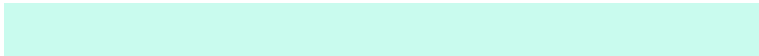
90.9966, 87.4880, 79.5532

Rectangle

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



77.4726, 87.4880, 75.0910



73.9503, 87.4880, 94.0215



89.1081, 87.4880, 118.7502



93.0929, 87.4880, 96.5084

Sweetspot

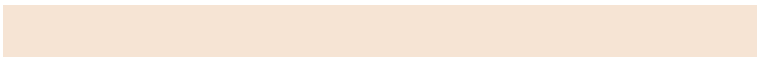
The Sweet Spot groups the original color and five complimentary colors.



77.4750, 87.4918, 75.0929



91.7067, 98.4612, 100.3977



77.5997, 79.7630, 73.5945



19.4975, 21.0142, 21.1579



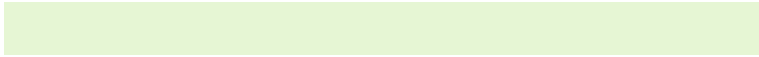
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

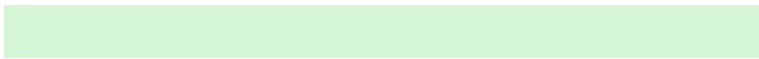
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4750, 87.4918, 75.0929



81.7274, 93.8494, 75.8634



72.3213, 84.8350, 74.8517



17.1197, 18.9037, 17.5440



22.6855, 37.8076, 6.1019



2.1125, 3.3841, 0.5419

Inverse Universe

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



72.1764, 70.2372, 96.9464



74.8021, 71.2969, 104.4269



77.7910, 73.1316, 97.2092



16.3229, 16.3091, 20.8302



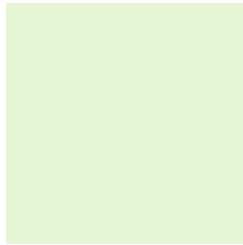
12.8670, 5.6075, 46.9422



1.2485, 0.5535, 4.1313

Previews

White Background



This preview shows how the XYZ color 77.4726, 87.4880, 75.0910 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 77.4726, 87.4880, 75.0910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

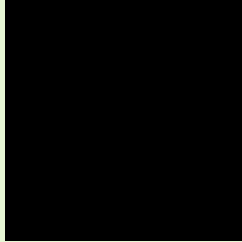
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

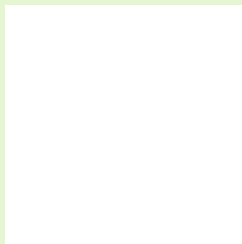
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4726, 87.4880, 75.0910

Background



This preview shows how black text looks on a background with the XYZ color 77.4726, 87.4880, 75.0910.



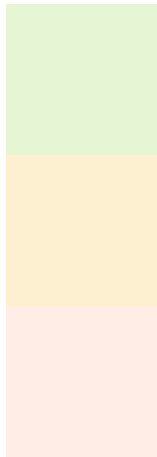
This preview shows how white text looks on a background with the XYZ color 77.4726, 87.4880,

75.0910.

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

77.4726, 87.4880, 75.0910

Protanopia

82.8136, 87.6191, 72.8690

Deuteranopia

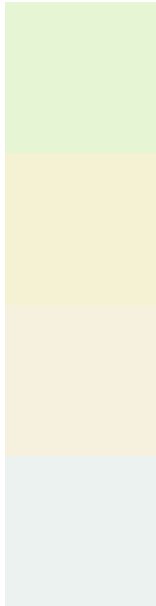
85.8071, 87.5415, 87.2376



Tritanopia

84.4700, 87.7173, 107.0868

Trichromacy



Original Color

77.4726, 87.4880, 75.0910

Protanomaly

80.6932, 87.3905, 73.5878

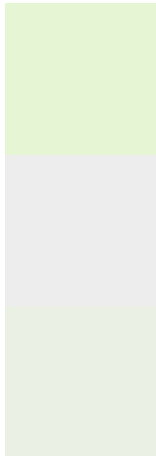
Deuteranomaly

82.4854, 87.2407, 82.3037

Tritanomaly

81.5931, 87.3984, 94.2305

Monochromacy



Original Color

77.4726, 87.4880, 75.0910

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.0954, 85.4140, 85.7166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4726, 87.4880, 75.0910 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(230, 246, 212)` looks like.

```
.text, #text, p{  
    color:rgb(230, 246, 212)  
}
```

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(230, 246, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 246, 212) }
```

Border

The CSS property to change the border of an element to XYZ 77.4726, 87.4880, 75.0910 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(230, 246, 212) }
```


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

```
.border{ border-color:rgb(230, 246, 212) }
```

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

Here you see how a box with a 4 pixel rgb(230, 246, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 246, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 246, 212);  
box-shadow:4px 4px 4px 4px rgb(230, 246,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4726, 87.4880, 75.0910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 246, 212) }
```

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

```
.background{ background-color: rgb(230,  
246, 212) }
```

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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