

Converting Colors

XYZ(85.2757, 102.2223,
78.7752)

Have a look what the booklet for
XYZ(85.2757, 102.2223, 78.7752)
contains.

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Color

**XYZ(80.8526, 93.3640,
77.3780)**

Conversions

Conversions Part 1

Format	Color
Hex	E7FFD6
RGB	231, 255, 214
RGB Percent	91%, 100%, 84%
CMY	0.0941, 0.0000, 0.1608
CMYK	0.09, 0.00, 0.16, 0.00
HSL	95°, 100%, 92%
HSV	95°, 16%, 100%
XYZ	80.8526, 93.3640, 77.3780
YIQ	243.1500, -1.1430, -17.8390

Conversions

Conversions Part 2

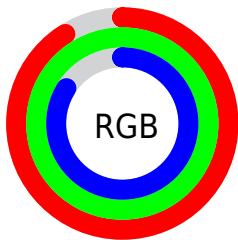
Format	Color
R_{YB}	214, 255, 238
Decimal	15204310
CIE _{Lab}	97.38, -14.93, 17.00
CIE _{LCh}	97, 22.623, 131.294
Yxy	93.3640, 0.3214, 0.3711
Android (android.graphics.Color)	4293394390 (0xFFE7FFD6)
YUV	243.1500, -14.3710, -10.6556
Hunter-Lab	96.6250, -19.7310, 20.1577

Details

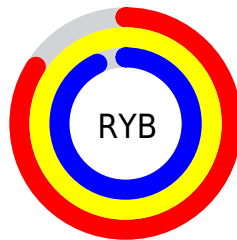
The XYZ color **80.8526, 93.3640, 77.3780** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **77.3573, 73.4915, 104.7158**, and the grayscale version is **85.4217, 89.8703, 97.8687**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1313, 52.0053, 40.5130** is the 20% darker color. If you saturate the color by 10%, you get **73.2322, 89.7828, 61.3313**, and if you desaturate by 10%, it is **89.3951, 97.3615, 96.1318**.

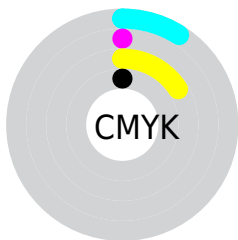
Distribution



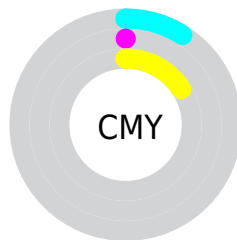
- Red (91%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (93%)



- Cyan (9%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.8526, 93.3640, 77.3780 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 80.8526, 93.3640, 77.3780 by changing the saturation by 10% instead.


 80.8526, 93.3640,
77.3780

 80.8526, 93.3640,
77.3780


486.4944,
538.9141, 505.5237

 60.7311, 70.7741,
57.0498


133.5080,
152.0025, 131.4508

 44.2599, 52.1579,
40.6356


166.7726,
188.8198, 166.0325

 31.0737, 37.1309,
27.7169

205.1490,
231.1484, 206.2023

 20.8071, 25.3089,
17.8752

249.0025,
279.3726, 252.3789

 13.0947, 16.3073,
10.6919

298.6984,
333.8770, 304.9808

 7.5712, 9.7419,
5.7485

354.6021,

 3.8713, 5.2282,

395.0457, 364.4266

2.6265

417.0790,
463.2633, 431.1347

■ 1.6296, 2.3817,
0.9061

■ 0.4116, 0.8165,
0.0000

■ 80.8526, 93.3640,
77.3780

■ 80.8526, 93.3640,
77.3780

■ 73.2322, 89.7828,
61.3313

■ 89.3951, 97.3615,
96.1318

■ 66.4981, 86.6023,
47.8624

95.0500, 100.0000,
108.9000

■ 60.6147, 83.8073,
36.8379

■ 55.5433, 81.3808,
28.1105

■ 51.2414, 79.3046,
21.5171

■ 47.6618, 77.5583,
16.8734

■ 44.7509, 76.1191,
13.9633

■ 42.4443, 74.9596,
12.5188

■ 41.6719, 74.5677,
12.1967

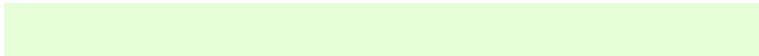
Harmonies

Analogous

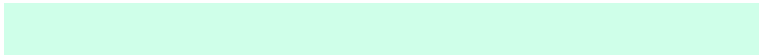
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3479, 93.3640, 70.8252



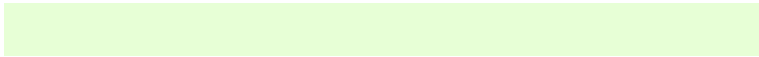
80.8526, 93.3640, 77.3780



77.5709, 93.3640, 90.7529

Triad

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



80.8526, 93.3640, 77.3780



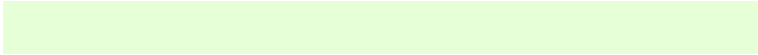
84.8456, 93.3640, 138.8872



101.3821, 93.3640, 94.9005

Complementary

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



80.8526, 93.3640, 77.3780



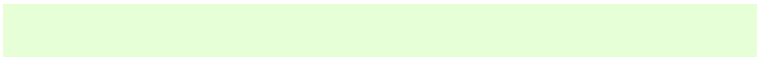
77.3573, 73.4915, 104.7158

Split Complementary

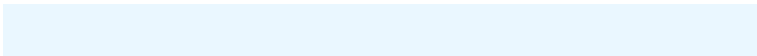
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.9322, 93.3640, 113.4025



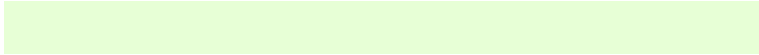
80.8526, 93.3640, 77.3780



91.1753, 93.3640, 140.3463

Square

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



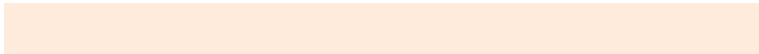
80.8526, 93.3640, 77.3780



79.7985, 93.3640, 126.7741



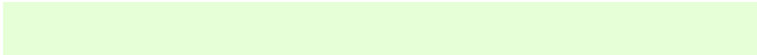
97.1237, 93.3640, 130.5488



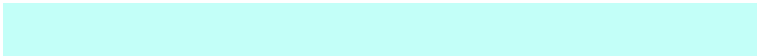
98.3250, 93.3640, 80.0988

Rectangle

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



80.8526, 93.3640, 77.3780



76.9801, 93.3640, 102.4568



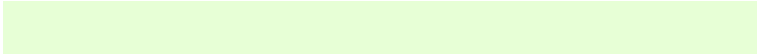
97.1237, 93.3640, 130.5488



101.6397, 93.3640, 100.8625

Sweetspot

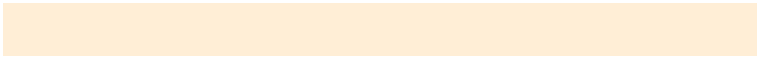
The Sweet Spot groups the original color and five complimentary colors.



80.8532, 93.3643, 77.3794



90.3719, 97.8177, 98.3190



83.9284, 87.2162, 76.0306



19.2067, 20.8732, 20.7382



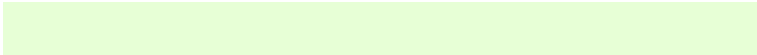
0.0000, 0.0000, 0.0000



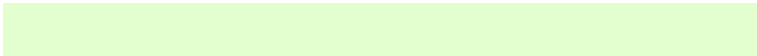
20.3446, 21.4041, 23.3091

Same Dimension

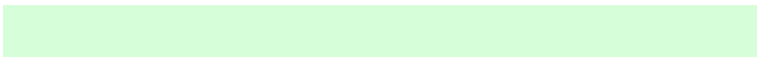
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8532, 93.3643, 77.3794



78.5323, 92.2752, 72.4153



76.0711, 90.8480, 79.4575



18.4851, 20.5360, 19.1339



21.9347, 39.0458, 6.3805



2.2565, 3.8640, 0.6269

Inverse Universe

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



77.3573, 73.4915, 104.7158



74.4856, 69.2749, 104.0533



82.7918, 76.3561, 102.1244



18.0220, 17.9031, 22.7557



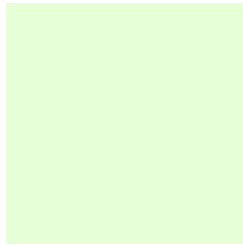
16.1075, 7.2142, 49.9781



1.6927, 0.7665, 4.8720

Previews

White Background



This preview shows how the XYZ color 80.8526, 93.3640, 77.3780 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 80.8526, 93.3640, 77.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

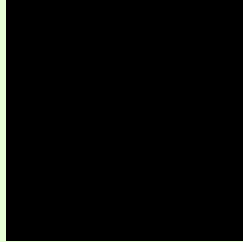
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

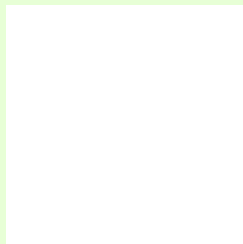
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8526, 93.3640, 77.3780

Background



This preview shows how black text looks on a background with the XYZ color 80.8526, 93.3640, 77.3780.



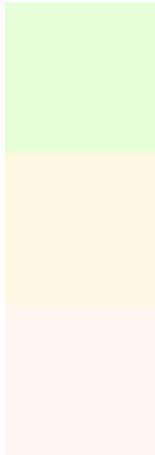
This preview shows how white text looks on a background with the XYZ color 80.8526, 93.3640,

77.3780.

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

80.8526, 93.3640, 77.3780

Protanopia

88.2282, 93.2725, 85.3048

Deuteranopia

89.7696, 92.9157, 96.4222

Tritanopia

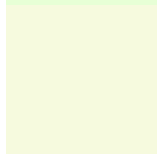
88.6190, 92.9746, 107.8829

Trichromacy



Original Color

80.8526, 93.3640, 77.3780



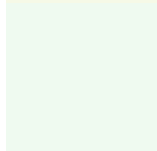
Protanomaly

85.3765, 93.2380, 82.6041



Deuteranomaly

86.3055, 93.1137, 89.0253



Tritanomaly

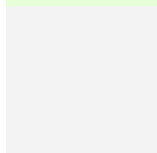
85.5104, 93.0132, 95.8845

Monochromacy



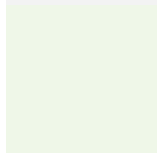
Original Color

80.8526, 93.3640, 77.3780



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.4229, 90.6984, 89.4536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8526, 93.3640, 77.3780 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, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 214)  
}
```

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, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 214) }
```

Border

The CSS property to change the border of an element to XYZ 80.8526, 93.3640, 77.3780 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, 255, 214) }
```


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

```
.border{ border-color:rgb(231, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8526, 93.3640, 77.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 214) }
```

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

```
.background{ background-color: rgb(231,  
255, 214) }
```

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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