

Converting Colors

XYZ(80.4305, 93.1610, 76.6968)

Have a look what the booklet for
XYZ(80.4305, 93.1610, 76.6968)
contains.

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Color

**XYZ(80.4034, 93.1471,
76.6923)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FFD5
RGB	230, 255, 213
RGB Percent	90%, 100%, 84%
CMY	0.0980, 0.0000, 0.1647
CMYK	0.10, 0.00, 0.16, 0.00
HSL	96°, 100%, 92%
HSV	96°, 16%, 100%
XYZ	80.4034, 93.1471, 76.6923
YIQ	242.7370, -1.4180, -18.3620

Conversions

Conversions Part 2

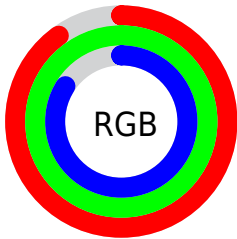
Format	Color
R _Y B	213, 255, 238
Decimal	15138773
CIE Lab	97.29, -15.43, 17.37
CIE LCh	97, 23.237, 131.607
Yxy	93.1471, 0.3213, 0.3722
Android (android.graphics.Color)	4293328853 (0xFFE6FFD5)
YUV	242.7370, -14.6603, -11.1703
Hunter-Lab	96.5127, -20.1915, 20.4451

Details

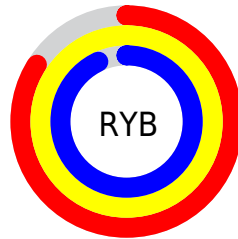
The XYZ color **80.4034, 93.1471, 76.6923** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **77.1050, 72.9869, 104.6317**, and the grayscale version is **85.0955, 89.5270, 97.4950**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8212, 51.8555, 40.0472** is the 20% darker color. If you saturate the color by 10%, you get **72.7558, 89.5496, 60.7462**, and if you desaturate by 10%, it is **88.9855, 97.1674, 95.3414**.

Distribution



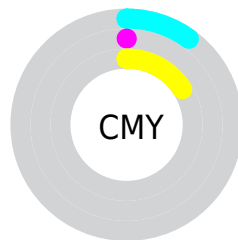
- Red (90%)
- Green (100%)
- Blue (84%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4034, 93.1471, 76.6923 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 80.4034, 93.1471, 76.6923 by changing the saturation by 10% instead.


 80.4034, 93.1471,
76.6923

 80.4034, 93.1471,
76.6923


485.0071,
538.2160, 503.1241

 60.3600, 70.5938,
56.4903


132.8803,
151.7023, 130.4741

 43.9594, 52.0108,
40.1895


166.0445,
188.4729, 164.8910

 30.8364, 37.0136,
27.3714


204.3129,
230.7514, 204.8832

 20.6255, 25.2181,
17.6175

248.0511,
278.9221, 250.8694

 12.9614, 16.2396,
10.5091

297.6242,
333.3696, 303.2680

 7.4788, 9.6939,
5.6278

353.3977,

 3.8123, 5.1964,

394.4781, 362.4976

2.5550

415.7369,
462.6321, 428.9768

■ 1.5965, 2.3630,
0.8691

■ 0.3901, 0.8067,
0.0000

■ 80.4034, 93.1471,
76.6923

■ 80.4034, 93.1471,
76.6923

■ 72.7558, 89.5496,
60.7462

■ 88.9855, 97.1674,
95.3414

■ 66.0062, 86.3591,
47.3735

95.0500, 100.0000,
108.9000

■ 60.1186, 83.5598,
36.4402

■ 55.0532, 81.1345,
27.7985

■ 50.7668, 79.0645,
21.2846

■ 47.2114, 77.3292,
16.7130

■ 44.3323, 75.9050,
13.8662

■ 42.0635, 74.7639,
12.4724

■ 41.3781, 74.4162,
12.1829

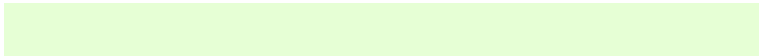
Harmonies

Analogous

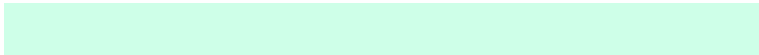
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0149, 93.1471, 69.9358



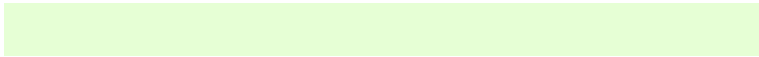
80.4034, 93.1471, 76.6923



77.0736, 93.1471, 90.4233

Triad

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



80.4034, 93.1471, 76.6923



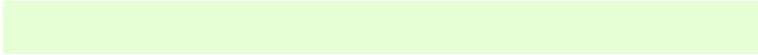
84.6051, 93.1471, 139.7928



101.5001, 93.1471, 94.3115

Complementary

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



80.4034, 93.1471, 76.6923



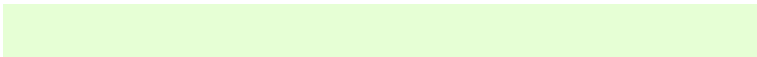
77.1050, 72.9869, 104.6317

Split Complementary

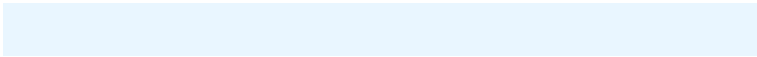
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.0766, 93.1471, 113.2768



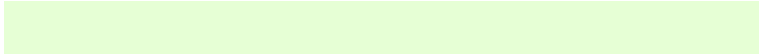
80.4034, 93.1471, 76.6923



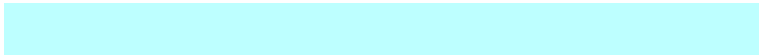
91.1009, 93.1471, 141.1707

Square

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



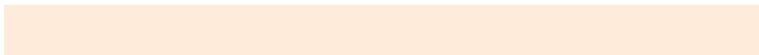
80.4034, 93.1471, 76.6923



79.4154, 93.1471, 127.4056



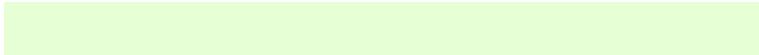
97.1940, 93.1471, 130.9655



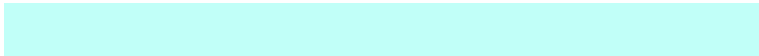
98.3242, 93.1471, 79.2345

Rectangle

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



80.4034, 93.1471, 76.6923



76.4909, 93.1471, 102.4399



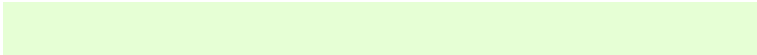
97.1940, 93.1471, 130.9655



101.7780, 93.1471, 100.4096

Sweetspot

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



80.4040, 93.1474, 76.6937



90.3274, 97.7948, 98.3169



83.6799, 86.9230, 75.3196



19.1959, 20.8677, 20.7377



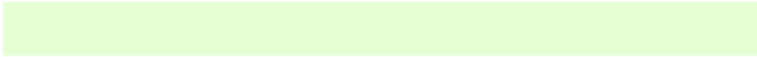
0.0000, 0.0000, 0.0000



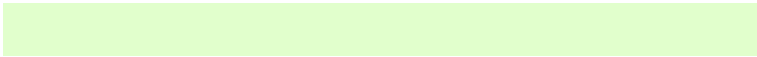
20.3446, 21.4041, 23.3091

Same Dimension

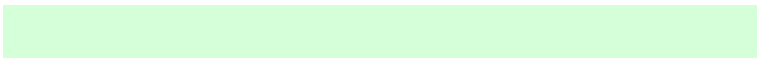
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4040, 93.1474, 76.6937



77.5992, 91.8298, 70.7618



75.6609, 90.6503, 78.8160



18.4676, 20.5270, 19.1331



21.7792, 38.9657, 6.3732



2.2403, 3.8557, 0.6261

Inverse Universe

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



77.1050, 72.9869, 104.6317



73.6919, 67.9587, 103.8411



82.5263, 75.8462, 101.9709



18.0399, 17.9123, 22.7566



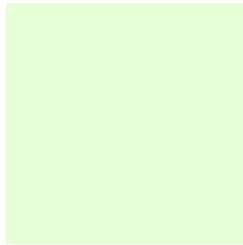
16.3501, 7.3393, 49.9895



1.7157, 0.7784, 4.8731

Previews

White Background



This preview shows how the XYZ color 80.4034, 93.1471, 76.6923 looks on a white background.

Color Contrast Check

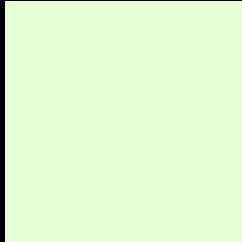
Large Text (above 18pt) WCAG AA × Fail

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 80.4034, 93.1471, 76.6923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

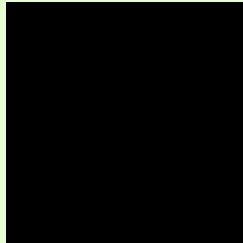
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

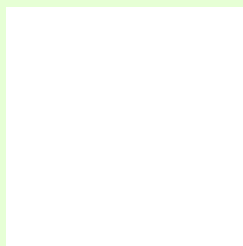
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4034, 93.1471, 76.6923

Background



This preview shows how black text looks on a background with the XYZ color 80.4034, 93.1471, 76.6923.



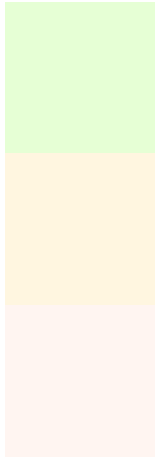
This preview shows how white text looks on a background with the XYZ color 80.4034, 93.1471,

76.6923.

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

80.4034, 93.1471, 76.6923

Protanopia

87.6503, 92.5534, 83.7659

Deuteranopia

89.7696, 92.9157, 96.4222

Tritanopia

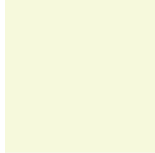
88.6190, 92.9746, 107.8829

Trichromacy



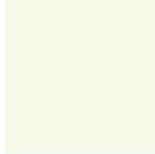
Original Color

80.4034, 93.1471, 76.6923



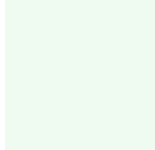
Protanomaly

84.8000, 92.5115, 81.0972



Deuteranomaly

86.3055, 93.1137, 89.0253



Tritanomaly

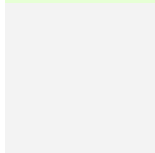
85.5104, 93.0132, 95.8845

Monochromacy



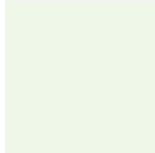
Original Color

80.4034, 93.1471, 76.6923



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.0861, 90.5249, 89.4379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4034, 93.1471, 76.6923 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, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 213)  
}
```

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, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 80.4034, 93.1471, 76.6923 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, 255, 213) }
```


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

```
.border{ border-color:rgb(230, 255, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4034, 93.1471, 76.6923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 213) }
```

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

```
.background{ background-color: rgb(230,  
255, 213) }
```

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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