

Converting Colors

XYZ(81.5796, 93.7596, 76.4689)

Have a look what the booklet for
XYZ(81.5796, 93.7596, 76.4689)
contains.

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Color

**XYZ(81.7019, 93.8165,
76.7530)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFFD5
RGB	234, 255, 213
RGB Percent	92%, 100%, 84%
CMY	0.0823, 0.0000, 0.1647
CMYK	0.08, 0.00, 0.16, 0.00
HSL	90°, 100%, 92%
HSV	90°, 16%, 100%
XYZ	81.7019, 93.8165, 76.7530
YIQ	243.9330, 0.9660, -17.5140

Conversions

Conversions Part 2

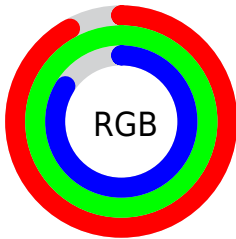
Format	Color
R _Y B	213, 255, 234
Decimal	15400917
CIE Lab	97.56, -14.06, 17.79
CIE LCh	98, 22.682, 128.323
Yxy	93.8165, 0.3239, 0.3719
Android (android.graphics.Color)	4293590997 (0xFFEAFD5)
YUV	243.9330, -15.2500, -8.7112
Hunter-Lab	96.8589, -18.9358, 20.8186

Details

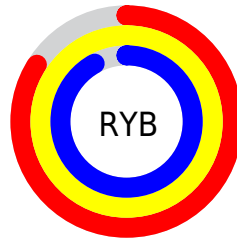
The XYZ color **81.7019, 93.8165, 76.7530** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.7768, 72.3021, 104.5696**, and the grayscale version is **86.0525, 90.5339, 98.5914**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7257, 52.3218, 40.0896** is the 20% darker color. If you saturate the color by 10%, you get **74.6788, 90.5410, 60.8361**, and if you desaturate by 10%, it is **89.5365, 97.4515, 95.3671**.

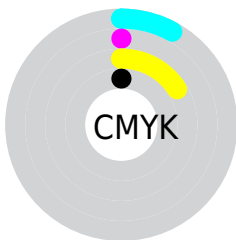
Distribution



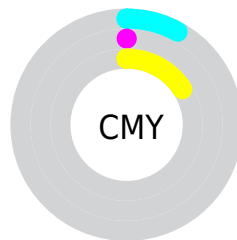
- Red (92%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (92%)



- Cyan (8%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7019, 93.8165, 76.7530 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 81.7019, 93.8165, 76.7530 by changing the saturation by 10% instead.


 81.7019, 93.8165,
76.7530

 81.7019, 93.8165,
76.7530


489.2996,
540.3692, 503.3367

 61.4331, 71.1503,
56.5398


134.6939,
152.6285, 130.5606

 44.8287, 52.4649,
40.2290


168.1478,
189.5432, 164.9921

 31.5232, 37.3758,
27.4020


206.7275,
231.9762, 205.0001

 21.1514, 25.4986,
17.6403

250.7983,
280.3118, 251.0031

 13.3478, 16.4489,
10.5253

300.7255,
334.9345, 303.4198

 7.7471, 9.8424,
5.6385

356.8746,

 3.9840, 5.2946,

396.2287, 362.6686

2.5613

419.6109,
464.5788, 429.1681

■ 1.6931, 2.4211,
0.8724

■ 0.4519, 0.8367,
0.0000

■ 81.7019, 93.8165,
76.7530

■ 81.7019, 93.8165,
76.7530

■ 74.6788, 90.5410,
60.8361

■ 89.5365, 97.4515,
95.3671

■ 68.4353, 87.6114,
47.4871

95.0500, 100.0000,
108.9000

■ 62.9400, 85.0143,
36.5722

■ 58.1581, 82.7352,
27.9437

■ 54.0516, 80.7580,
21.4383

■ 50.5783, 79.0649,
16.8705

■ 47.6893, 77.6356,
14.0233

■ 45.3252, 76.4454,
12.6250

■ 44.5871, 76.0705,
12.3331

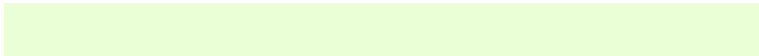
Harmonies

Analogous

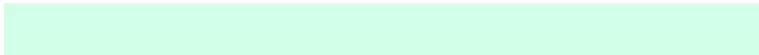
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3875, 93.8165, 70.8955



81.7019, 93.8165, 76.7530



78.1393, 93.8165, 89.5899

Triad

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



81.7019, 93.8165, 76.7530



84.6689, 93.8165, 138.8197



102.0062, 93.8165, 97.0972

Complementary

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



81.7019, 93.8165, 76.7530



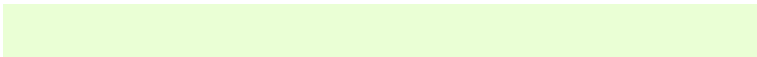
75.7768, 72.3021, 104.5696

Split Complementary

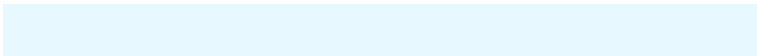
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.1923, 93.8165, 115.8328



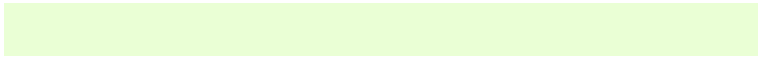
81.7019, 93.8165, 76.7530



90.9761, 93.8165, 141.4580

Square

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



81.7019, 93.8165, 76.7530



79.7940, 93.8165, 125.7834



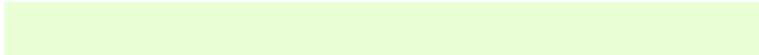
97.0794, 93.8165, 132.6101



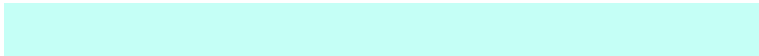
99.2527, 93.8165, 81.6798

Rectangle

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



81.7019, 93.8165, 76.7530



77.3441, 93.8165, 101.1145



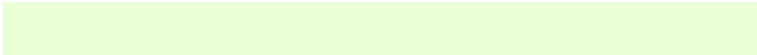
97.0794, 93.8165, 132.6101



102.1432, 93.8165, 103.1929

Sweetspot

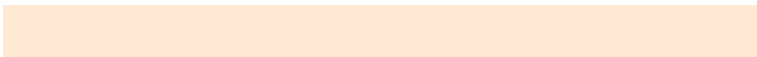
The Sweet Spot groups the original color and five complimentary colors.



81.7025, 93.8168, 76.7544



90.7580, 98.0167, 98.3371



82.4747, 84.5126, 74.9178



19.3005, 20.9216, 20.7426



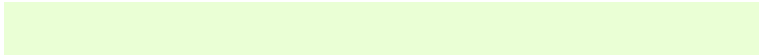
0.0000, 0.0000, 0.0000



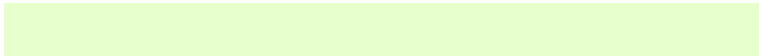
20.3446, 21.4041, 23.3091

Same Dimension

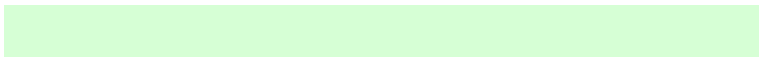
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7025, 93.8168, 76.7544



79.1320, 92.6200, 70.8335



75.4151, 90.5755, 76.4602



18.6369, 20.6143, 19.1410



23.4699, 39.8373, 6.4524



2.4111, 3.9437, 0.6341

Inverse Universe

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



75.7768, 72.3021, 104.5696



72.1157, 67.1461, 103.7673



82.8277, 75.9370, 104.8996



17.8684, 17.8239, 22.7485



14.2160, 6.2391, 49.8896



1.5101, 0.6724, 4.8635

Previews

White Background



This preview shows how the XYZ color 81.7019, 93.8165, 76.7530 looks on a white background.

Color Contrast Check

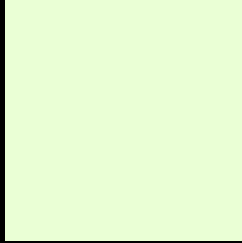
Large Text (above 18pt) WCAG AA × Fail

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 81.7019, 93.8165, 76.7530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

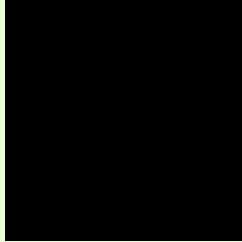
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

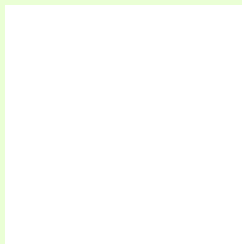
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7019, 93.8165, 76.7530

Background



This preview shows how black text looks on a background with the XYZ color 81.7019, 93.8165, 76.7530.



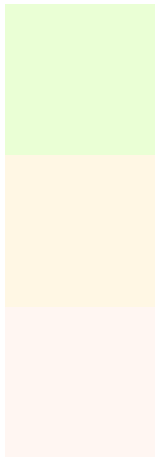
This preview shows how white text looks on a background with the XYZ color 81.7019, 93.8165,

76.7530.

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

81.7019, 93.8165, 76.7530

Protanopia

88.5044, 93.3830, 86.7588

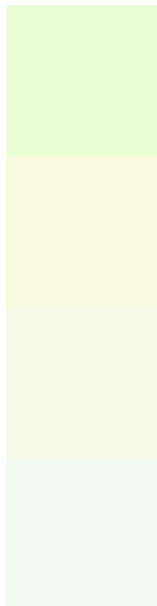
Deuteranopia

90.2228, 93.5823, 97.3123

Tritanopia

89.6234, 93.9476, 108.0178

Trichromacy



Original Color

81.7019, 93.8165, 76.7530

Protanomaly

85.8627, 93.4731, 83.3287

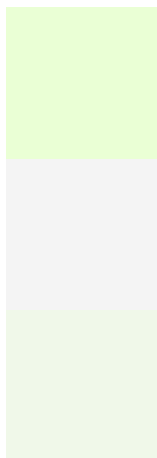
Deuteranomaly

86.6573, 93.2950, 89.0417

Tritanomaly

86.8433, 94.1629, 96.0362

Monochromacy



Original Color

81.7019, 93.8165, 76.7530

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.2106, 91.5433, 90.3220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7019, 93.8165, 76.7530 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(234, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 213) }
```

Border

The CSS property to change the border of an element to XYZ 81.7019, 93.8165, 76.7530 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(234, 255, 213) }
```


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

```
.border{ border-color:rgb(234, 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(234, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7019, 93.8165, 76.7530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 213) }
```

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

```
.background{ background-color: rgb(234,  
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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