

Converting Colors

XYZ(81.3150, 93.7592, 70.3123)

Have a look what the booklet for
XYZ(81.3150, 93.7592, 70.3123)
contains.

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Color

**XYZ(81.4645, 93.8363,
70.3185)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFFCB
RGB	237, 255, 203
RGB Percent	93%, 100%, 80%
CMY	0.0706, 0.0000, 0.2039
CMYK	0.07, 0.00, 0.20, 0.00
HSL	81°, 100%, 90%
HSV	81°, 20%, 100%
XYZ	81.4645, 93.8363, 70.3185
YIQ	243.6900, 5.9640, -19.9880

Conversions

Conversions Part 2

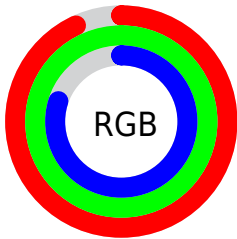
Format	Color
R _Y B	203, 255, 221
Decimal	15597515
CIE Lab	97.57, -14.56, 22.93
CIE LCh	98, 27.160, 122.417
Yxy	93.8363, 0.3317, 0.3820
Android (android.graphics.Color)	4293787595 (0xFFEDFFCB)
YUV	243.6900, -20.0602, -5.8671
Hunter-Lab	96.8691, -19.4070, 24.7691

Details

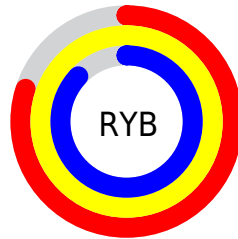
The XYZ color **81.4645, 93.8363, 70.3185** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.2257, 65.3053, 103.5643**, and the grayscale version is **85.8925, 90.3656, 98.4081**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6750, 52.3819, 36.1899** is the 20% darker color. If you saturate the color by 10%, you get **75.7960, 91.2368, 55.4735**, and if you desaturate by 10%, it is **87.7790, 96.7110, 87.8055**.

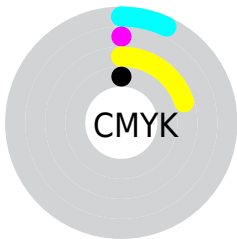
Distribution



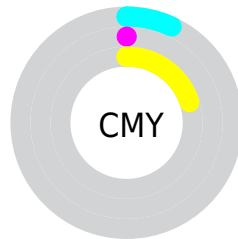
- Red (93%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (87%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.4645, 93.8363, 70.3185 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 81.4645, 93.8363, 70.3185 by changing the saturation by 10% instead.


 81.4645, 93.8363,
70.3185

 81.4645, 93.8363,
70.3185


488.5164,
540.4328, 480.4868

 61.2368, 71.1668,
51.3078


134.3625,
152.6559, 121.3482

 44.6696, 52.4783,
36.0752


167.7636,
189.5748, 154.2043

 31.3974, 37.3865,
24.2021


206.2866,
232.0124, 192.5127

 21.0550, 25.5069,
15.2701

250.2967,
280.3529, 236.6918

 13.2769, 16.4551,
8.8604

300.1594,
334.9808, 287.1603

 7.6978, 9.8468,
4.5547

356.2400,

 3.9524, 5.2975,

396.2805, 344.3365

1.9343

418.9039,
464.6363, 408.6392

■ 1.6752, 2.4228,
0.5144

■ 0.4407, 0.8376,
0.0000

■ 81.4645, 93.8363,
70.3185

■ 81.4645, 93.8363,
70.3185

■ 75.7960, 91.2368,
55.4735

■ 87.7790, 96.7110,
87.8055

■ 70.7455, 88.9010,
43.1376

94.7628, 99.8704,
108.0502

■ 66.2850, 86.8174,
33.1728

95.0500, 100.0000,
108.9000

■ 62.3832, 84.9734,
25.4260

■ 59.0054, 83.3548,
19.7263

■ 56.1123, 81.9455,
15.8775

■ 53.6570, 80.7266,
13.6456

■ 51.6395, 79.7062,
12.6631

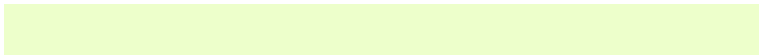
Harmonies

Analogous

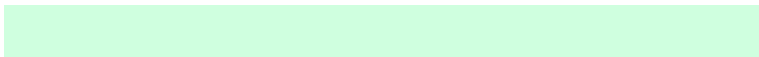
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5641, 93.8363, 65.3074



81.4645, 93.8363, 70.3185



76.6666, 93.8363, 83.7219

Triad

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



81.4645, 93.8363, 70.3185



82.4895, 93.8363, 144.6797



104.8587, 93.8363, 100.3895

Complementary

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



81.4645, 93.8363, 70.3185



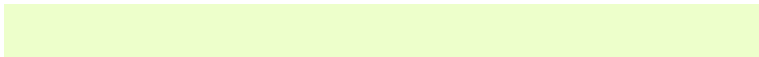
69.2257, 65.3053, 103.5643

Split Complementary

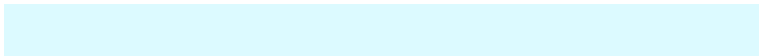
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.0048, 93.8363, 123.1506



81.4645, 93.8363, 70.3185



89.8160, 93.8363, 150.8106

Square

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



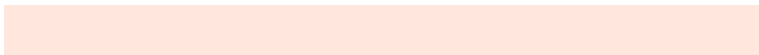
81.4645, 93.8363, 70.3185



77.2339, 93.8363, 126.7011



97.3861, 93.8363, 142.4308



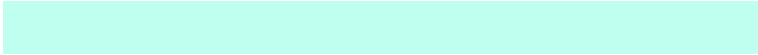
102.3172, 93.8363, 81.0322

Rectangle

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



81.4645, 93.8363, 70.3185



75.2671, 93.8363, 96.6629



97.3861, 93.8363, 142.4308



104.7288, 93.8363, 107.8861

Sweetspot

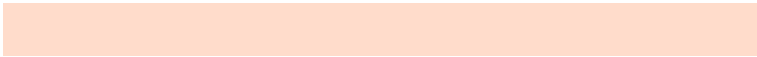
The Sweet Spot groups the original color and five complimentary colors.



81.4650, 93.8365, 70.3199



90.7619, 98.0628, 96.3490



77.7009, 76.9342, 67.2558



19.3301, 20.9457, 20.3434



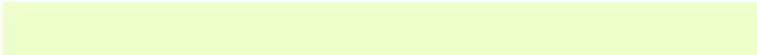
0.0000, 0.0000, 0.0000



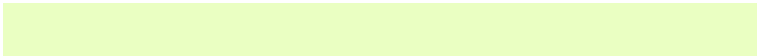
20.3446, 21.4041, 23.3091

Same Dimension

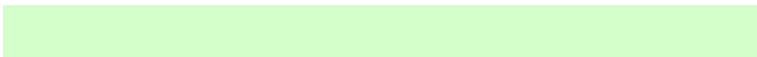
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4650, 93.8365, 70.3199



79.3462, 92.8672, 64.6644



73.5957, 89.7797, 69.9516



18.9150, 20.7576, 19.1540



27.1498, 41.7343, 6.6246



2.7612, 4.1242, 0.6505

Inverse Universe

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



69.2257, 65.3053, 103.5643



65.3171, 60.1594, 102.7771



77.5297, 69.5861, 103.9530



17.5959, 17.6834, 22.7358



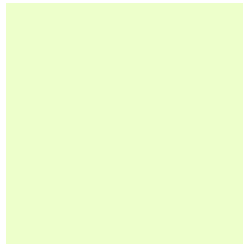
11.6919, 4.9379, 49.7715



1.2507, 0.5387, 4.8513

Previews

White Background



This preview shows how the XYZ color 81.4645, 93.8363, 70.3185 looks on a white background.

Color Contrast Check

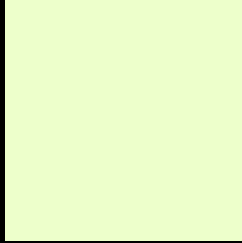
Large Text (above 18pt) WCAG AA × Fail

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 81.4645, 93.8363, 70.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

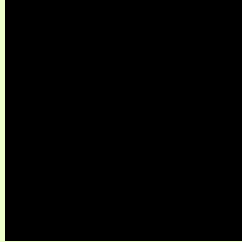
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

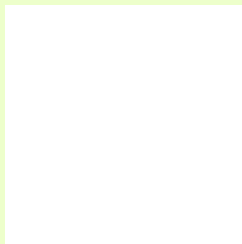
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.4645, 93.8363, 70.3185

Background



This preview shows how black text looks on a background with the XYZ color 81.4645, 93.8363, 70.3185.



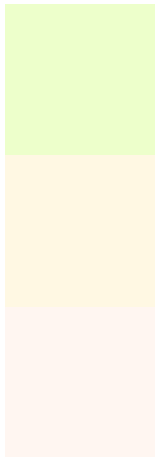
This preview shows how white text looks on a background with the XYZ color 81.4645, 93.8363, 70.3185.

70.3185.

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

81.4645, 93.8363, 70.3185

Protanopia

88.6725, 93.9409, 86.1319

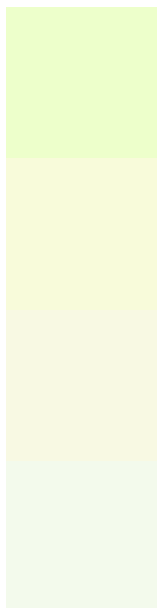
Deuteranopia

90.0730, 93.5224, 96.5234

Tritanopia

89.6685, 93.5157, 107.9320

Trichromacy



Original Color

81.4645, 93.8363, 70.3185

Protanomaly

85.8635, 94.0128, 79.9505

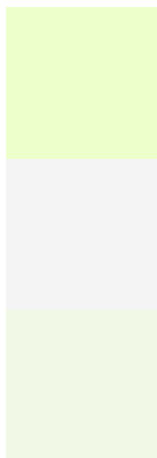
Deuteranomaly

86.4522, 93.2539, 86.1163

Tritanomaly

86.2881, 93.4820, 92.8528

Monochromacy



Original Color

81.4645, 93.8363, 70.3185

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

83.9859, 91.4927, 87.3621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4645, 93.8363, 70.3185 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(237, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 203)  
}
```

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(237, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 81.4645, 93.8363, 70.3185 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(237, 255, 203) }
```


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

```
.border{ border-color:rgb(237, 255, 203) }
```

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

Here you see how a box with a 4 pixel rgb(237, 255, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4645, 93.8363, 70.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 203) }
```

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

```
.background{ background-color: rgb(237,  
255, 203) }
```

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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