

Converting Colors

XYZ(82.0152, 90.5570, 83.6792)

Have a look what the booklet for
XYZ(82.0152, 90.5570, 83.6792)
contains.

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Color

**XYZ(81.9470, 90.5211,
83.6743)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF8E0
RGB	237, 248, 224
RGB Percent	93%, 97%, 88%
CMY	0.0706, 0.0274, 0.1216
CMYK	0.04, 0.00, 0.10, 0.03
HSL	88°, 63%, 93%
HSV	88°, 10%, 97%
XYZ	81.9470, 90.5211, 83.6743
YIQ	241.9750, 1.1480, -9.7960

Conversions

Conversions Part 2

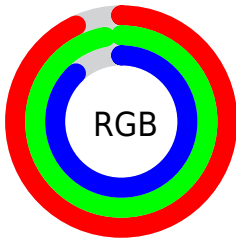
Format	Color
R _Y B	224, 248, 235
Decimal	15595744
CIE Lab	96.21, -7.79, 10.28
CIE LCh	96, 12.896, 127.161
Yxy	90.5211, 0.3199, 0.3534
Android (android.graphics.Color)	4293785824 (0xFFEDF8E0)
YUV	241.9750, -8.8617, -4.3631
Hunter-Lab	95.1426, -12.7562, 14.4565

Details

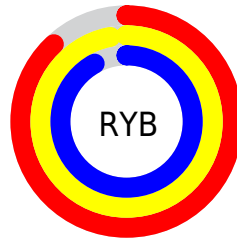
The XYZ color **81.9470, 90.5211, 83.6743** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8634, 77.7533, 99.7157**, and the grayscale version is **84.4477, 88.8456, 96.7529**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0671, 50.3876, 44.8866** is the 20% darker color. If you saturate the color by 10%, you get **75.1500, 87.3805, 67.0608**, and if you desaturate by 10%, it is **89.4803, 93.9899, 102.8869**.

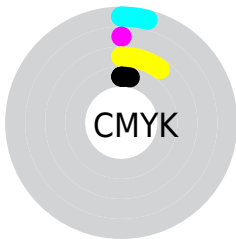
Distribution



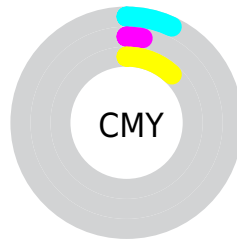
- Red (93%)
- Green (97%)
- Blue (88%)



- Red (88%)
- Yellow (97%)
- Blue (92%)



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)
- Black (3%)



- Cyan (7%)
- Magenta (3%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9470, 90.5211, 83.6743 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 81.9470, 90.5211, 83.6743 by changing the saturation by 10% instead.

81.9470, 90.5211,
83.6743

81.9470, 90.5211,
83.6743

490.1076,
529.7245, 527.2608

61.6358, 68.4129,
62.2027

135.0359,
148.0620, 140.3771

44.9930, 50.2337,
44.7597

168.5443,
184.2635, 176.4455

31.6531, 35.5992,
30.9266

207.1825,
225.9316, 218.2165

21.2510, 24.1248,
20.2850

251.3158,
273.4507, 266.1088

13.4211, 15.4262,
12.4162

301.3096,
327.2051, 320.5408

7.7981, 9.1191,
6.9018

357.5293,

4.0168, 4.8189,

387.5793, 381.9311

3.3233

420.3402,
454.9576, 450.6983

■ 1.7116, 2.1414,
1.2620

■ 0.4635, 0.6878,
0.0303

■ 81.9470, 90.5211,
83.6743

■ 81.9470, 90.5211,
83.6743

■ 75.1500, 87.3805,
67.0608

■ 89.4803, 93.9899,
102.8869

■ 69.0564, 84.5456,
52.9288

■ 92.8592, 95.6183,
108.1697

■ 63.6413, 82.0089,
41.1607

■ 58.8756, 79.7581,
31.6268

■ 54.7274, 77.7801,
24.1850

■ 51.1617, 76.0601,
18.6769

■ 48.1390, 74.5818,
14.9214

■ 45.6130, 73.3261,
12.7032

■ 43.5129, 72.2640,
11.6779

Harmonies

Analogous

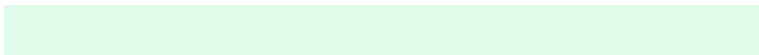
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1825, 90.5211, 80.2710



81.9470, 90.5211, 83.6743



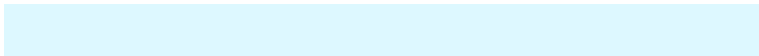
79.8496, 90.5211, 91.1082

Triad

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



81.9470, 90.5211, 83.6743



83.3939, 90.5211, 117.8653



93.0482, 90.5211, 96.1254

Complementary

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



81.9470, 90.5211, 83.6743



77.8634, 77.7533, 99.7157

Split Complementary

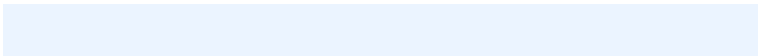
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5372, 90.5211, 106.4118



81.9470, 90.5211, 83.6743



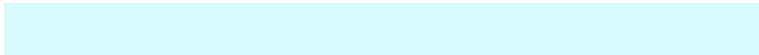
86.8984, 90.5211, 119.4399

Square

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



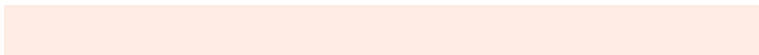
81.9470, 90.5211, 83.6743



80.6687, 90.5211, 110.9538



90.2621, 90.5211, 115.1187



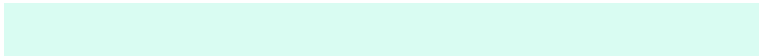
91.6395, 90.5211, 87.1292

Rectangle

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



81.9470, 90.5211, 83.6743



79.3454, 90.5211, 97.5892



90.2621, 90.5211, 115.1187



93.0959, 90.5211, 99.5414

Sweetspot

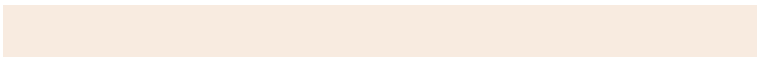
The Sweet Spot groups the original color and five complimentary colors.



81.9495, 90.5250, 83.6763



92.5640, 98.8579, 102.4820



81.8204, 84.6437, 82.5479



19.6729, 21.0955, 21.5775



0.0000, 0.0000, 0.0000



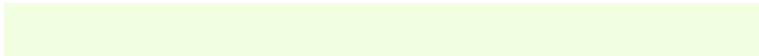
20.3446, 21.4041, 23.3091

Same Dimension

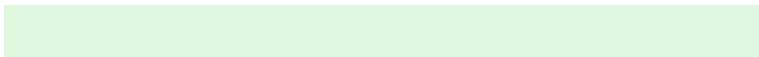
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9495, 90.5250, 83.6763



85.5348, 95.6193, 84.7540



78.1384, 88.5603, 83.4979



17.9155, 19.7722, 18.3346



23.6344, 39.1022, 6.3018



2.3112, 3.6846, 0.5894

Inverse Universe

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



77.8634, 77.7533, 99.7157



80.2172, 78.9980, 105.6280



81.8896, 79.8288, 99.9041



17.0391, 17.0328, 21.7749



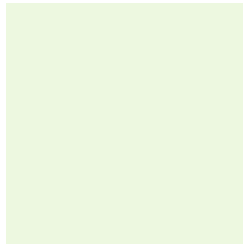
13.0375, 5.6638, 48.3796



1.3281, 0.5868, 4.4864

Previews

White Background



This preview shows how the XYZ color 81.9470, 90.5211, 83.6743 looks on a white background.

Color Contrast Check

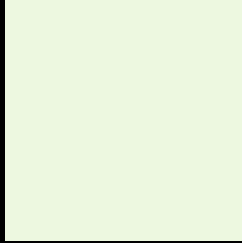
Large Text (above 18pt) WCAG AA × Fail

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 81.9470, 90.5211, 83.6743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

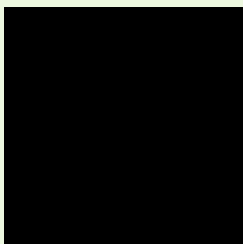
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

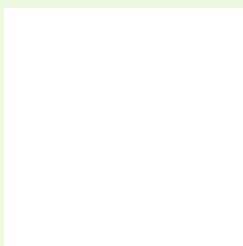
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.9470, 90.5211, 83.6743

Background



This preview shows how black text looks on a background with the XYZ color 81.9470, 90.5211, 83.6743.



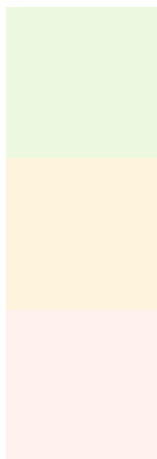
This preview shows how white text looks on a background with the XYZ color 81.9470, 90.5211,

83.6743.

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

81.9470, 90.5211, 83.6743

Protanopia

85.9748, 90.3925, 81.3227

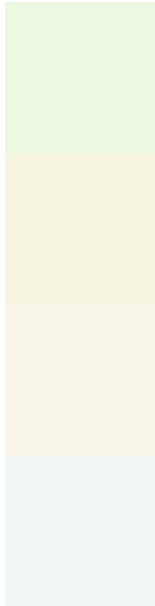
Deuteranopia

88.1279, 90.3436, 93.6821

Tritanopia

87.0627, 90.3759, 107.4633

Trichromacy



Original Color

81.9470, 90.5211, 83.6743

Protanomaly

84.5486, 90.5352, 82.1261

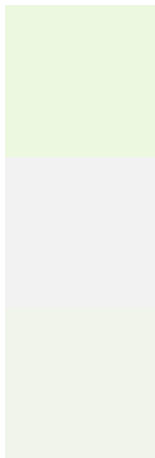
Deuteranomaly

85.7701, 90.5410, 90.0464

Tritanomaly

85.2572, 90.5372, 98.5699

Monochromacy



Original Color

81.9470, 90.5211, 83.6743

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.2813, 89.2248, 91.4300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9470, 90.5211, 83.6743 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, 248, 224)` looks like.

```
.text, #text, p{  
    color:rgb(237, 248, 224)  
}
```

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, 248, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 248, 224) }
```

Border

The CSS property to change the border of an element to XYZ 81.9470, 90.5211, 83.6743 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, 248, 224) }
```


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

```
.border{ border-color:rgb(237, 248, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 248, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 248, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 248, 224);  
box-shadow:4px 4px 4px 4px rgb(237, 248,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9470, 90.5211, 83.6743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 248, 224) }
```

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

```
.background{ background-color: rgb(237,  
248, 224) }
```

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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