

Converting Colors

XYZ(82.5720, 89.6224, 90.7201)

Have a look what the booklet for
XYZ(82.5720, 89.6224, 90.7201)
contains.

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Color

**XYZ(82.7321, 89.8566,
90.8255)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF6EA
RGB	237, 246, 234
RGB Percent	93%, 96%, 92%
CMY	0.0706, 0.0353, 0.0823
CMYK	0.04, 0.00, 0.05, 0.04
HSL	105°, 40%, 94%
HSV	105°, 5%, 96%
XYZ	82.7321, 89.8566, 90.8255
YIQ	241.9410, -1.5120, -5.6400

Conversions

Conversions Part 2

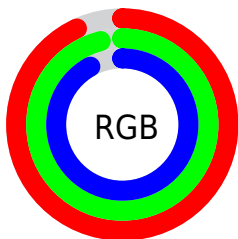
Format	Color
R _Y B	234, 246, 243
Decimal	15595242
CIE Lab	95.94, -5.09, 4.73
CIE LCh	96, 6.945, 137.116
Yxy	89.8566, 0.3141, 0.3411
Android (android.graphics.Color)	4293785322 (0xFFEDF6EA)
YUV	241.9410, -3.9149, -4.3333
Hunter-Lab	94.7927, -10.0981, 9.5463

Details

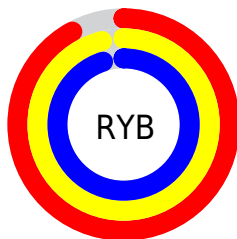
The XYZ color **82.7321, 89.8566, 90.8255** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.0230, 84.5566, 99.1387**, and the grayscale version is **84.3845, 88.7790, 96.6804**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5054, 49.8650, 49.3460** is the 20% darker color. If you saturate the color by 10%, you get **73.5936, 85.5285, 73.2122**, and if you desaturate by 10%, it is **92.2475, 94.3951, 107.9658**.

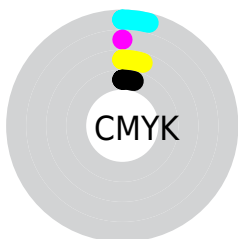
Distribution



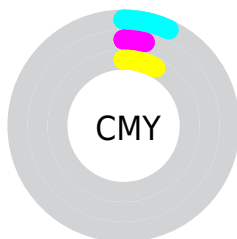
- Red (93%)
- Green (96%)
- Blue (92%)



- Red (92%)
- Yellow (96%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7321, 89.8566, 90.8255 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 82.7321, 89.8566, 90.8255 by changing the saturation by 10% instead.

82.7321, 89.8566,
90.8255

82.7321, 89.8566,
90.8255

492.6907,
527.5643, 551.3518

62.2853, 67.8617,
68.0879

136.1307,
147.1392, 150.4300

45.5198, 49.7852,
49.5022

169.8132,
183.1957, 188.1341

32.0700, 35.2428,
34.6496

208.6383,
224.7082, 231.6641

21.5708, 23.8500,
23.1117

252.9714,
272.0610, 281.4386

13.6567, 15.2224,
14.4699

303.1778,
325.6387, 337.8760

7.9624, 8.9756,
8.3057

359.6230,

4.1225, 4.7253,

385.8255, 401.3950

4.2006

422.6721,
453.0059, 472.4141

■ 1.7717, 2.0870,
1.7360

■ 0.5005, 0.6573,
0.3853

■ 82.7321, 89.8566,
90.8255

■ 82.7321, 89.8566,
90.8255

■ 73.5936, 85.5285,
73.2122

■ 92.2475, 94.3951,
107.9658

■ 65.5383, 81.7019,
58.1045

■ 58.5271, 78.3617,
45.3901

■ 52.5160, 75.4877,
34.9463

■ 47.4572, 73.0585,
26.6390

■ 43.2992, 71.0505,
20.3205

■ 39.9851, 69.4381,
15.8238

■ 37.4506, 68.1924,
12.9551

■ 35.6205, 67.2798,
11.4762

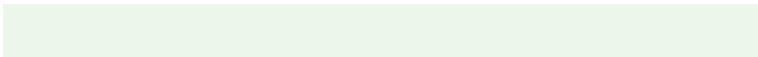
Harmonies

Analogous

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



84.3252, 89.8566, 88.0875



82.7321, 89.8566, 90.8255



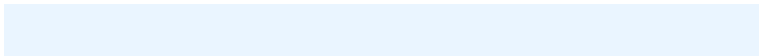
81.8611, 89.8566, 95.5023

Triad

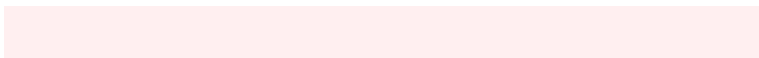
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7321, 89.8566, 90.8255



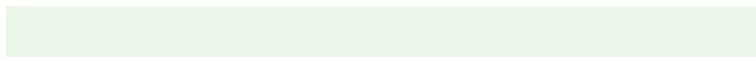
84.5863, 89.8566, 108.5001



88.9793, 89.8566, 94.7628

Complementary

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



82.7321, 89.8566, 90.8255



83.0230, 84.5566, 99.1387

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.



89.0518, 89.8566, 100.2126



82.7321, 89.8566, 90.8255



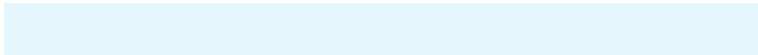
86.4960, 89.8566, 108.2840

Square

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



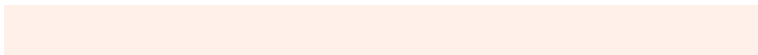
82.7321, 89.8566, 90.8255



82.9208, 89.8566, 105.7836



88.1369, 89.8566, 105.2036



87.9404, 89.8566, 90.3016

Rectangle

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



82.7321, 89.8566, 90.8255



81.7985, 89.8566, 99.1528



88.1369, 89.8566, 105.2036



89.1181, 89.8566, 96.5359

Sweetspot

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



82.7346, 89.8605, 90.8275



93.9419, 99.4759, 106.7193



84.9116, 89.6386, 90.6699



20.1191, 21.2975, 22.8653



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

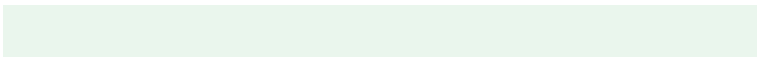
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7346, 89.8605, 90.8275



88.5866, 96.9414, 96.2472



82.1763, 89.5224, 93.0713



17.2353, 18.9397, 18.6168



18.7406, 35.7740, 5.9173



1.7375, 3.1908, 0.5243

Inverse Universe

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



83.0230, 84.5566, 99.1387



88.9692, 89.9058, 107.2721



83.6098, 84.9119, 96.7807



17.3178, 17.4235, 20.9929



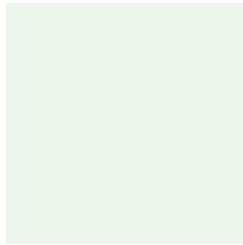
19.6324, 9.0952, 47.2588



1.8188, 0.8475, 4.1580

Previews

White Background



This preview shows how the XYZ color 82.7321, 89.8566, 90.8255 looks on a white background.

Color Contrast Check

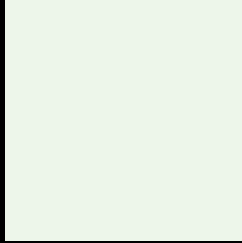
Large Text (above 18pt) WCAG AA × Fail

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 82.7321, 89.8566, 90.8255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

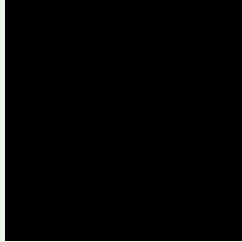
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

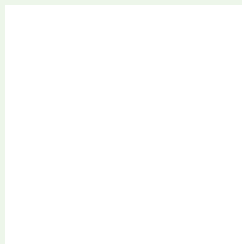
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.7321, 89.8566, 90.8255

Background



This preview shows how black text looks on a background with the XYZ color 82.7321, 89.8566, 90.8255.



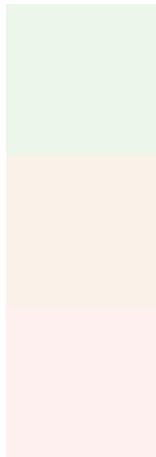
This preview shows how white text looks on a background with the XYZ color 82.7321, 89.8566,

90.8255.

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

82.7321, 89.8566, 90.8255

Protanopia

85.7420, 89.6545, 89.1299

Deuteranopia

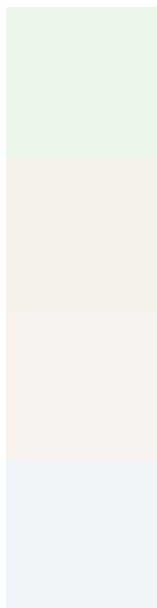
88.1283, 89.8714, 95.1401



Tritanopia

86.4201, 89.6015, 107.3477

Trichromacy



Original Color

82.7321, 89.8566, 90.8255

Protanomaly

84.4148, 89.3969, 89.8970

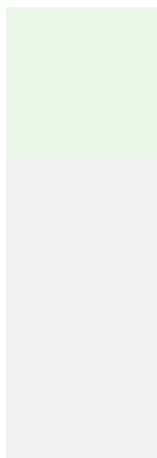
Deuteranomaly

85.8961, 89.6338, 93.6628

Tritanomaly

84.7743, 89.3418, 100.7723

Monochromacy



Original Color

82.7321, 89.8566, 90.8255

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.5658, 88.8584, 94.4084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.7321, 89.8566, 90.8255 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, 246, 234) looks like.

```
.text, #text, p{  
    color:rgb(237, 246, 234)  
}
```

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, 246, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 246, 234) }
```

Border

The CSS property to change the border of an element to XYZ 82.7321, 89.8566, 90.8255 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, 246, 234) }
```


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

```
.border{ border-color:rgb(237, 246, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 246, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 246, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 246, 234);  
box-shadow:4px 4px 4px 4px rgb(237, 246,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 82.7321, 89.8566, 90.8255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 246, 234) }
```

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

```
.background{ background-color: rgb(237,  
246, 234) }
```

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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