

Converting Colors

XYZ(78.9670, 86.8591, 80.0331)

Have a look what the booklet for
XYZ(78.9670, 86.8591, 80.0331)
contains.

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Color

**XYZ(78.9005, 86.7609,
80.2982)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF3DC
RGB	234, 243, 220
RGB Percent	92%, 95%, 86%
CMY	0.0823, 0.0470, 0.1372
CMYK	0.04, 0.00, 0.09, 0.05
HSL	83°, 49%, 91%
HSV	83°, 9%, 95%
XYZ	78.9005, 86.7609, 80.2982
YIQ	237.6870, 2.0190, -9.0610

Conversions

Conversions Part 2

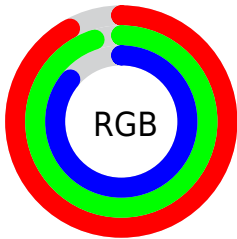
Format	Color
R_{YB}	220, 243, 229
Decimal	15397852
CIE _{Lab}	94.64, -6.97, 10.06
CIE _{LCh}	95, 12.237, 124.720
Yxy	86.7609, 0.3208, 0.3527
Android (android.graphics.Color)	4293587932 (0xFFEAF3DC)
YUV	237.6870, -8.7197, -3.2335
Hunter-Lab	93.1455, -11.8032, 14.0896

Details

The XYZ color **78.9005, 86.7609, 80.2982** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.0874, 74.3179, 95.2386**, and the grayscale version is **81.0922, 85.3153, 92.9084**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9220, 47.7222, 42.5464** is the 20% darker color. If you saturate the color by 10%, you get **72.8743, 84.0021, 64.4196**, and if you desaturate by 10%, it is **85.5670, 89.8008, 98.6524**.

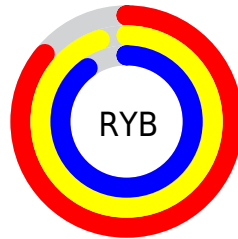
Distribution



Red (92%)

Green (95%)

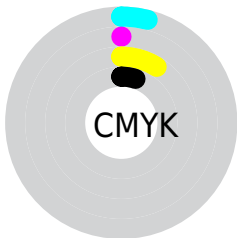
Blue (86%)



Red (86%)

Yellow (95%)

Blue (90%)

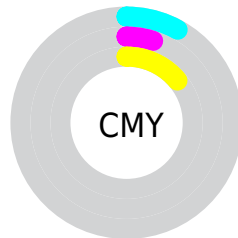


Cyan (4%)

Magenta (0%)

Yellow (9%)

Black (5%)



Cyan (8%)

Magenta (5%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9005, 86.7609, 80.2982 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 78.9005, 86.7609, 80.2982 by changing the saturation by 10% instead.

78.9005, 86.7609,
80.2982

78.9005, 86.7609,
80.2982

480.0128,
517.4369, 515.6705

59.1194, 65.2974,
59.4362

130.7774,
142.8308, 135.6001

42.9559, 47.7022,
42.5420

163.6039,
178.2060, 170.8770

30.0449, 33.5911,
29.1972

201.5096,
218.9872, 211.7960

20.0209, 22.5797,
18.9832

244.8598,
265.5587, 258.7756

12.5186, 14.2835,
11.4814

294.0199,
318.3051, 312.2342

7.1726, 8.3181,
6.2734

349.3551,

3.6176, 4.2991,

377.6106, 372.5906

2.9406

411.2310,
443.8598, 440.2632

■ 1.4881, 1.8423,
1.0644

■ 0.3177, 0.5133,
0.0000

■ 78.9005, 86.7609,
80.2982

■ 78.9005, 86.7609,
80.2982

■ 72.8743, 84.0021,
64.4196

■ 85.5670, 89.8008,
98.6524

■ 67.4587, 81.5037,
50.9050

■ 90.6197, 92.2121,
107.6303

■ 62.6317, 79.2596,
39.6426

■ 91.3423, 92.5846,
107.6641

■ 58.3674, 77.2590,
30.5094

■ 54.6372, 75.4902,
23.3706

■ 51.4100, 73.9403,
18.0760

■ 48.6500, 72.5948,
14.4541

■ 46.3157, 71.4367,
12.3014

■ 44.3429, 70.4399,
11.2964

Harmonies

Analogous

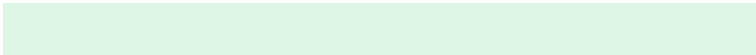
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9424, 86.7609, 77.4823



78.9005, 86.7609, 80.2982



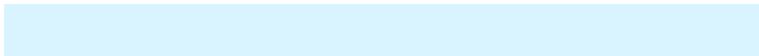
76.8555, 86.7609, 86.9145

Triad

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



78.9005, 86.7609, 80.2982



79.7822, 86.7609, 111.8797



88.9535, 86.7609, 92.9798

Complementary

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



78.9005, 86.7609, 80.2982



74.0874, 74.3179, 95.2386

Split Complementary

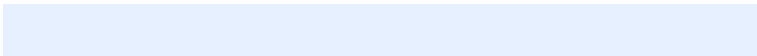
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3381, 86.7609, 102.4467



78.9005, 86.7609, 80.2982



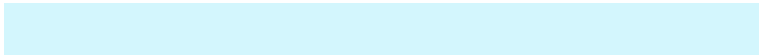
82.9871, 86.7609, 113.7703

Square

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



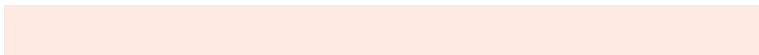
78.9005, 86.7609, 80.2982



77.3550, 86.7609, 105.2060



86.1325, 86.7609, 110.2135



87.7924, 86.7609, 84.4865

Rectangle

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



78.9005, 86.7609, 80.2982



76.3025, 86.7609, 92.8045



86.1325, 86.7609, 110.2135



88.9478, 86.7609, 96.1510

Sweetspot

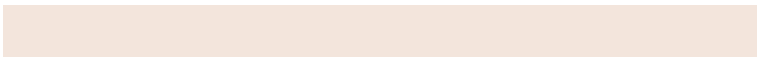
The Sweet Spot groups the original color and five complimentary colors.



78.9029, 86.7647, 80.3001



92.7494, 98.9535, 102.4906



77.8522, 80.1622, 79.0811



19.7230, 21.1213, 21.5799



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

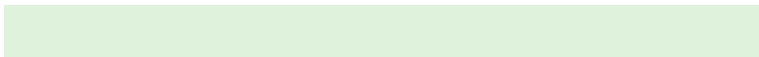
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9029, 86.7647, 80.3001



86.9334, 96.3000, 86.6427



75.3055, 84.9101, 80.1317



17.2501, 18.9710, 17.5502



24.4370, 38.7105, 6.1839



2.2629, 3.4616, 0.5489

Inverse Universe

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



74.0874, 74.3179, 95.2386



80.7418, 80.2958, 105.8508



77.8168, 76.2405, 95.4131



16.1947, 16.2430, 20.8242



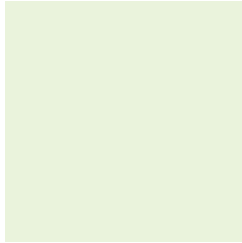
11.6165, 4.9628, 46.8837



1.1328, 0.4938, 4.1258

Previews

White Background



This preview shows how the XYZ color 78.9005, 86.7609, 80.2982 looks on a white background.

Color Contrast Check

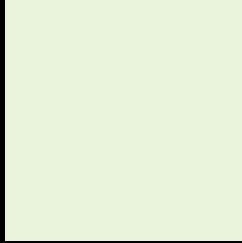
Large Text (above 18pt) WCAG AA × Fail

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 78.9005, 86.7609, 80.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

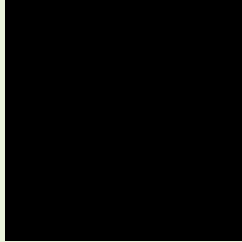
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

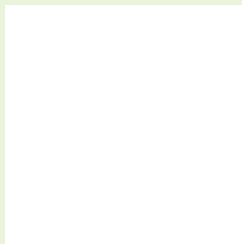
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.9005, 86.7609, 80.2982

Background



This preview shows how black text looks on a background with the XYZ color 78.9005, 86.7609, 80.2982.

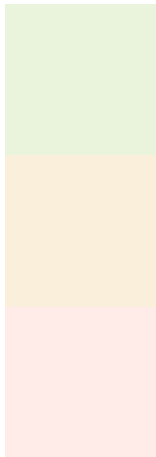


This preview shows how white text looks on a background with the XYZ color 78.9005, 86.7609,

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

78.9005, 86.7609, 80.2982

Protanopia

82.5883, 86.9347, 78.7569

Deuteranopia

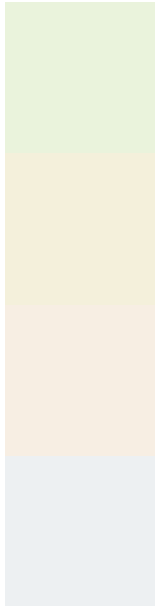
85.3721, 86.4462, 87.7875



Tritanopia

84.2211, 86.7198, 106.9074

Trichromacy



Original Color

78.9005, 86.7609, 80.2982

Protanomaly

81.2545, 86.6677, 79.4638

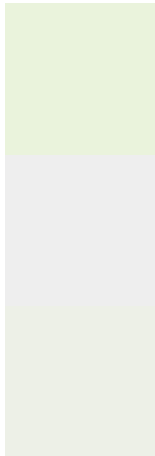
Deuteranomaly

82.7974, 86.4693, 84.9994

Tritanomaly

82.1122, 86.7355, 96.4183

Monochromacy



Original Color

78.9005, 86.7609, 80.2982

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.5089, 86.0942, 87.9759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.9005, 86.7609, 80.2982 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, 243, 220) looks like.

```
.text, #text, p{  
    color:rgb(234, 243, 220)  
}
```

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, 243, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 243, 220) }
```

Border

The CSS property to change the border of an element to XYZ 78.9005, 86.7609, 80.2982 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, 243, 220) }
```


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

```
.border{ border-color:rgb(234, 243, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 243, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 243, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 243, 220);  
box-shadow:4px 4px 4px 4px rgb(234, 243,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 78.9005, 86.7609, 80.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 243, 220) }
```

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

```
.background{ background-color: rgb(234,  
243, 220) }
```

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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