

Converting Colors

XYZ(81.1304, 86.2241, 91.9774)

Have a look what the booklet for
XYZ(81.1304, 86.2241, 91.9774)
contains.

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Color

**XYZ(81.2255, 86.3808,
91.7490)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF0EC
RGB	237, 240, 236
RGB Percent	93%, 94%, 93%
CMY	0.0706, 0.0588, 0.0745
CMYK	0.01, 0.00, 0.02, 0.06
HSL	105°, 12%, 93%
HSV	105°, 2%, 94%
XYZ	81.2255, 86.3808, 91.7490
YIQ	238.6470, -0.5040, -1.8800

Conversions

Conversions Part 2

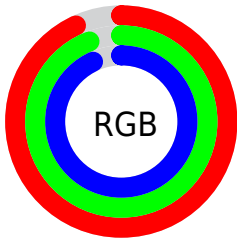
Format	Color
R _Y B	236, 240, 239
Decimal	15593708
CIE Lab	94.47, -1.70, 1.57
CIE LCh	94, 2.314, 137.319
Yxy	86.3808, 0.3132, 0.3331
Android (android.graphics.Color)	4293783788 (0xFFEDF0EC)
YUV	238.6470, -1.3050, -1.4444
Hunter-Lab	92.9413, -6.6482, 6.5295

Details

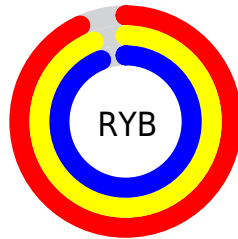
The XYZ color **81.2255, 86.3808, 91.7490** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.3234, 84.6352, 94.4924**, and the grayscale version is **81.7819, 86.0409, 93.6985**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4348, 47.4000, 49.9872** is the 20% darker color. If you saturate the color by 10%, you get **72.2577, 82.1364, 74.3336**, and if you desaturate by 10%, it is **90.4517, 90.8035, 107.3672**.

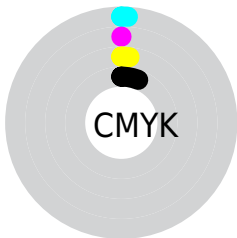
Distribution



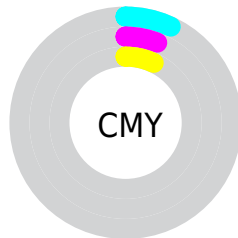
- Red (93%)
- Green (94%)
- Blue (93%)



- Red (93%)
- Yellow (94%)
- Blue (94%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2255, 86.3808, 91.7490 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 81.2255, 86.3808, 91.7490 by changing the saturation by 10% instead.

81.2255, 86.3808,
91.7490

81.2255, 86.3808,
91.7490

487.7272,
516.1860, 554.4202

61.0393, 64.9829,
68.8503

134.0289,
142.3008, 151.7221

44.5095, 47.4472,
50.1188

167.3767,
177.5916, 189.6337

31.2709, 33.3893,
35.1360

205.8424,
218.2823, 233.3865

20.9581, 22.4249,
23.4832

249.7914,
264.7571, 283.3993

13.2056, 14.1694,
14.7421

299.5890,
317.4005, 340.0905

7.6483, 8.2386,
8.4940

355.6006,

3.9206, 4.2480,

376.5968, 403.8787

4.3203

418.1916,
442.7306, 475.1825

■ 1.6573, 1.8132,
1.8027

■ 0.4293, 0.4954,
0.4297

■ 81.2255, 86.3808,
91.7490

■ 81.2255, 86.3808,
91.7490

■ 72.2577, 82.1364,
74.3336

■ 90.4517, 90.8035,
107.3672

■ 64.3236, 78.3704,
59.3141

■ 57.3872, 75.0691,
46.5871

■ 51.4078, 72.2139,
36.0399

■ 46.3417, 69.7848,
27.5500

■ 42.1415, 67.7606,
20.9829

■ 38.7556, 66.1177,
16.1879

■ 36.1259, 64.8301,
12.9920

■ 34.1856, 63.8677,
11.1876

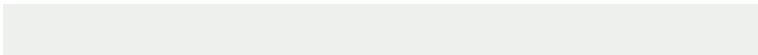
Harmonies

Analogous

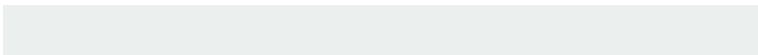
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7465, 86.3808, 90.8190



81.2255, 86.3808, 91.7490



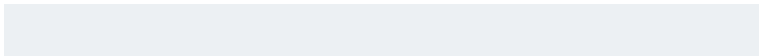
80.9400, 86.3808, 93.3034

Triad

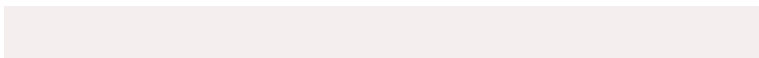
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2255, 86.3808, 91.7490



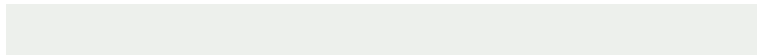
81.8399, 86.3808, 97.4385



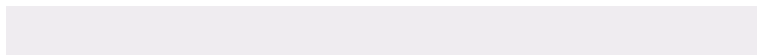
83.2505, 86.3808, 93.0371

Complementary

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



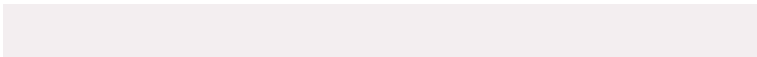
81.2255, 86.3808, 91.7490



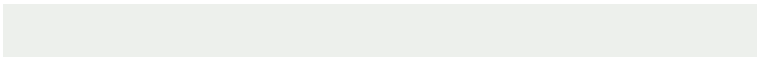
81.3234, 84.6352, 94.4924

Split Complementary

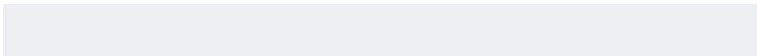
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2758, 86.3808, 94.8086



81.2255, 86.3808, 91.7490



82.4592, 86.3808, 97.3650

Square

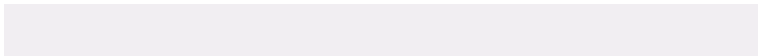
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2255, 86.3808, 91.7490



81.2935, 86.3808, 96.5968



82.9855, 86.3808, 96.3973



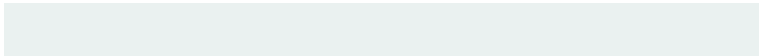
82.9165, 86.3808, 91.5562

Rectangle

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



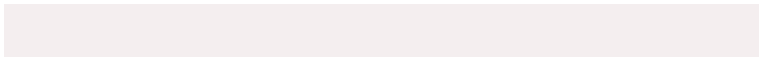
81.2255, 86.3808, 91.7490



80.9208, 86.3808, 94.4914



82.9855, 86.3808, 96.3973



83.2954, 86.3808, 93.6180

Sweetspot

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



81.2279, 86.3845, 91.7509



93.9418, 99.4758, 106.7193



81.9455, 86.3182, 91.7003



20.1191, 21.2974, 22.8653



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

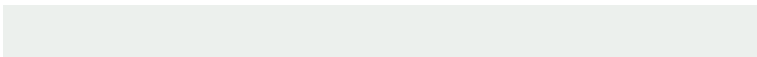
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2279, 86.3845, 91.7509



92.8460, 98.9574, 104.5675



81.0408, 86.2712, 92.5035



17.4143, 18.5471, 19.6317



18.1778, 34.6926, 5.7383



1.6003, 2.9315, 0.4815

Inverse Universe

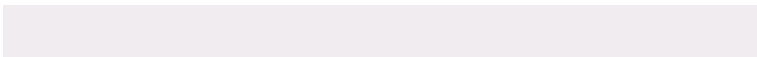
The Inverse Universe completely reimagines the original color for something new.



81.3234, 84.6352, 94.4924



92.9774, 96.5483, 108.3430



81.5137, 84.7504, 93.7272



17.4376, 18.1206, 20.3002



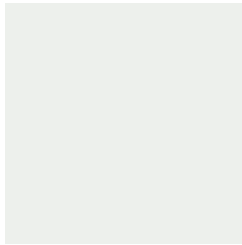
19.0485, 8.8253, 45.8273



1.6747, 0.7806, 3.8166

Previews

White Background



This preview shows how the XYZ color 81.2255, 86.3808, 91.7490 looks on a white background.

Color Contrast Check

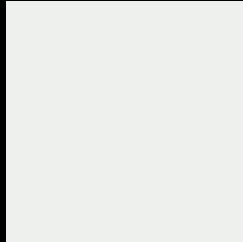
Large Text (above 18pt) WCAG AA × Fail

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 81.2255, 86.3808, 91.7490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

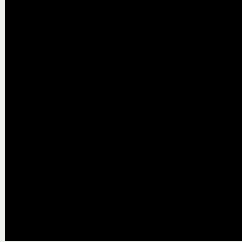
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

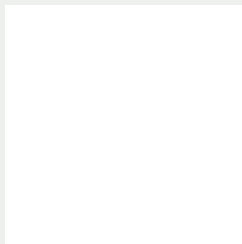
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.2255, 86.3808, 91.7490

Background



This preview shows how black text looks on a background with the XYZ color 81.2255, 86.3808, 91.7490.



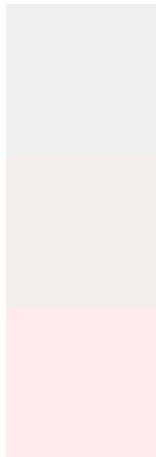
This preview shows how white text looks on a background with the XYZ color 81.2255, 86.3808,

91.7490.

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

81.2255, 86.3808, 91.7490

Protanopia

82.8782, 86.3803, 90.9022

Deuteranopia

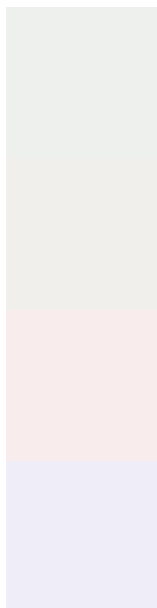
86.0954, 86.2787, 93.0047



Tritanopia

84.2694, 86.3136, 106.8265

Trichromacy



Original Color

81.2255, 86.3808, 91.7490

Protanomaly

82.1375, 86.4319, 90.9512

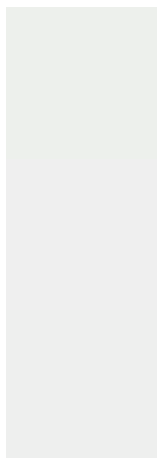
Deuteranomaly

83.9929, 86.0618, 92.3054

Tritanomaly

83.1144, 86.2771, 101.0795

Monochromacy



Original Color

81.2255, 86.3808, 91.7490

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.5590, 86.0832, 93.2060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2255, 86.3808, 91.7490 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, 240, 236) looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 236)  
}
```

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, 240, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 236) }
```

Border

The CSS property to change the border of an element to XYZ 81.2255, 86.3808, 91.7490 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, 240, 236) }
```


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

```
.border{ border-color:rgb(237, 240, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 240, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 240, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 240, 236);  
box-shadow:4px 4px 4px 4px rgb(237, 240,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2255, 86.3808, 91.7490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 240, 236) }
```

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

```
.background{ background-color: rgb(237,  
240, 236) }
```

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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