

Converting Colors

XYZ(77.0631, 82.5898, 87.1005)

Have a look what the booklet for
XYZ(77.0631, 82.5898, 87.1005)
contains.

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Color

**XYZ(76.9115, 82.5271,
86.7386)**

Conversions

Conversions Part 1

Format	Color
Hex	E6ECE6
RGB	230, 236, 230
RGB Percent	90%, 93%, 90%
CMY	0.0980, 0.0745, 0.0980
CMYK	0.03, 0.00, 0.03, 0.07
HSL	120°, 14%, 91%
HSV	120°, 3%, 93%
XYZ	76.9115, 82.5271, 86.7386
YIQ	233.5220, -1.6500, -3.1380

Conversions

Conversions Part 2

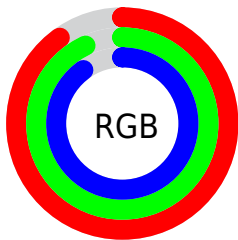
Format	Color
R _Y B	230, 236, 236
Decimal	15133926
CIE Lab	92.81, -3.07, 2.20
CIE LCh	93, 3.771, 144.378
Yxy	82.5271, 0.3124, 0.3352
Android (android.graphics.Color)	4293324006 (0xFFE6ECE6)
YUV	233.5220, -1.7363, -3.0888
Hunter-Lab	90.8444, -7.8545, 6.9808

Details

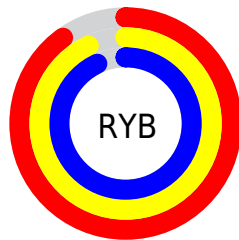
The XYZ color **76.9115, 82.5271, 86.7386** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.0322, 80.4847, 90.7833**, and the grayscale version is **77.8611, 81.9159, 89.2065**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7383, 44.8516, 47.0148** is the 20% darker color. If you saturate the color by 10%, you get **66.7517, 77.6492, 70.1188**, and if you desaturate by 10%, it is **88.5501, 88.1202, 105.7731**.

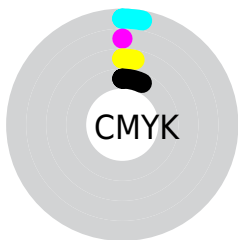
Distribution



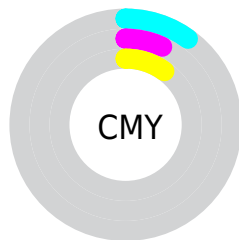
- Red (90%)
- Green (93%)
- Blue (90%)



- Red (90%)
- Yellow (93%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (10%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9115, 82.5271, 86.7386 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 76.9115, 82.5271, 86.7386 by changing the saturation by 10% instead.

■ 76.9115, 82.5271,
86.7386

■ 76.9115, 82.5271,
86.7386

473.3588,
503.4091, 537.6574

■ 57.4799, 61.8001,
64.7205

127.9881,
136.9129, 144.6954

■ 41.6323, 44.8712,
46.7846

160.3637,
171.3406, 181.4712

■ 29.0033, 31.3560,
32.5123

197.7848,
211.1038, 224.0033

■ 19.2276, 20.8701,
21.4850

240.6167,
256.5872, 272.7102

■ 11.9399, 13.0291,
13.2843

289.2246,
308.1750, 328.0106

■ 6.7746, 7.4486,
7.4916

343.9741,

■ 3.3666, 3.7442,

366.2517, 390.3229

3.6883

405.2303,
431.2016, 460.0656

■ 1.3505, 1.5315,
1.4560

■ 0.2205, 0.3108,
0.1848

■ 76.9115, 82.5271,
86.7386

■ 76.9115, 82.5271,
86.7386

■ 66.7517, 77.6492,
70.1188

■ 88.5501, 88.1202,
105.7731

■ 58.0048, 73.4477,
55.8121

■ 89.2871, 88.4741,
106.9790

■ 50.6105, 69.8958,
43.7176

■ 44.5013, 66.9612,
33.7249

■ 39.6039, 64.6088,
25.7142

■ 35.8377, 62.7997,
19.5537

■ 33.1122, 61.4905,
15.0954

■ 31.3233, 60.6312,
12.1690

■ 30.3451, 60.1613,
10.5686

Harmonies

Analogous

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



77.6611, 82.5271, 85.0120



76.9115, 82.5271, 86.7386



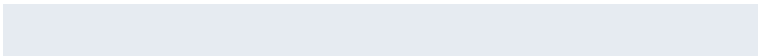
76.5715, 82.5271, 89.3281

Triad

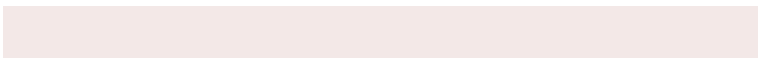
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9115, 82.5271, 86.7386



78.2543, 82.5271, 95.3594



80.1756, 82.5271, 87.6398

Complementary

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



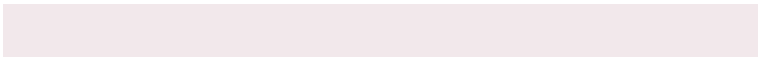
76.9115, 82.5271, 86.7386



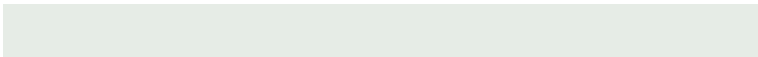
78.0322, 80.4847, 90.7833

Split Complementary

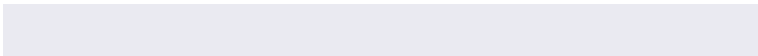
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3377, 82.5271, 90.3899



76.9115, 82.5271, 86.7386



79.2231, 82.5271, 94.8847

Square

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



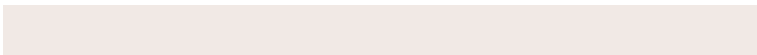
76.9115, 82.5271, 86.7386



77.3426, 82.5271, 94.3353



79.9877, 82.5271, 93.0513



79.5468, 82.5271, 85.5247

Rectangle

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



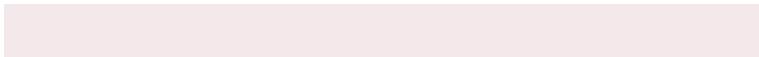
76.9115, 82.5271, 86.7386



76.6209, 82.5271, 91.2103



79.9877, 82.5271, 93.0513



80.2867, 82.5271, 88.5191

Sweetspot

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



76.9138, 82.5306, 86.7404



93.7102, 99.3564, 106.7086



78.8741, 83.5412, 86.8319



20.0720, 21.2731, 22.8631



0.0000, 0.0000, 0.0000



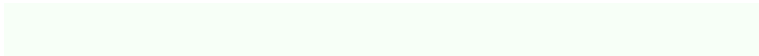
20.3446, 21.4041, 23.3091

Same Dimension

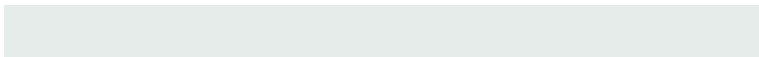
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9138, 82.5306, 86.7404



91.0840, 98.0949, 102.4130



77.3391, 82.7008, 88.9801



16.1146, 17.4608, 18.0283



16.5341, 33.0681, 5.5116



1.2983, 2.5966, 0.4329

Inverse Universe

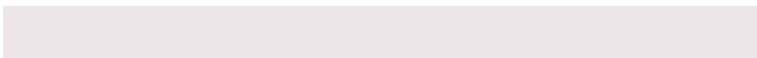
The Inverse Universe completely reimagines the original color for something new.



78.0322, 80.4847, 90.7833



92.6578, 95.2158, 108.1023



77.5996, 80.3116, 88.5052



16.4665, 16.8171, 19.3003



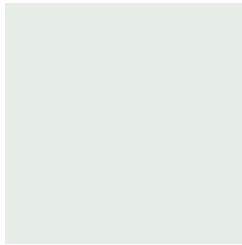
27.4124, 13.1676, 44.8344



2.1525, 1.0340, 3.5206

Previews

White Background



This preview shows how the XYZ color 76.9115, 82.5271, 86.7386 looks on a white background.

Color Contrast Check

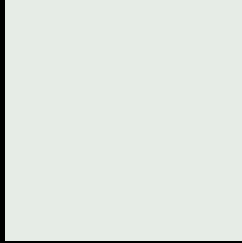
Large Text (above 18pt) WCAG AA × Fail

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 76.9115, 82.5271, 86.7386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

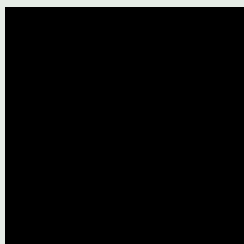
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

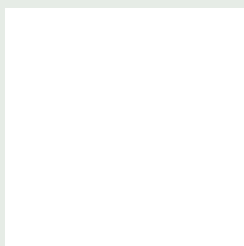
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9115, 82.5271, 86.7386

Background



This preview shows how black text looks on a background with the XYZ color 76.9115, 82.5271, 86.7386.



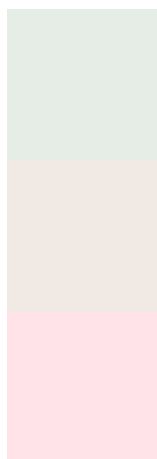
This preview shows how white text looks on a background with the XYZ color 76.9115, 82.5271,

86.7386.

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

76.9115, 82.5271, 86.7386

Protanopia

79.0777, 82.4045, 85.1366

Deuteranopia

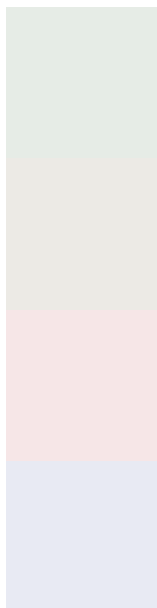
83.2746, 82.0244, 87.7872



Tritanopia

80.1558, 82.5665, 102.9791

Trichromacy



Original Color

76.9115, 82.5271, 86.7386

Protanomaly

78.1577, 82.3356, 85.9018

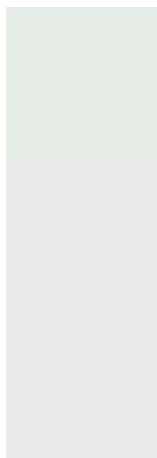
Deuteranomaly

80.7267, 81.9560, 87.1656

Tritanomaly

78.8792, 82.4725, 96.5554

Monochromacy



Original Color

76.9115, 82.5271, 86.7386

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.0206, 82.6235, 88.9266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9115, 82.5271, 86.7386 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(230, 236, 230) looks like.

```
.text, #text, p{  
    color:rgb(230, 236, 230)  
}
```

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(230, 236, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 236, 230) }
```

Border

The CSS property to change the border of an element to XYZ 76.9115, 82.5271, 86.7386 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(230, 236, 230) }
```


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

```
.border{ border-color:rgb(230, 236, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 236, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 236, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 236, 230);  
box-shadow:4px 4px 4px 4px rgb(230, 236,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9115, 82.5271, 86.7386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 236, 230) }
```

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

```
.background{ background-color: rgb(230,  
236, 230) }
```

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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