

Converting Colors

XYZ(76.7245, 83.2702, 86.2991)

Have a look what the booklet for
XYZ(76.7245, 83.2702, 86.2991)
contains.

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Color

**XYZ(76.7123, 83.3002,
86.1641)**

Conversions

Conversions Part 1

Format	Color
Hex	E4EEE5
RGB	228, 238, 229
RGB Percent	89%, 93%, 90%
CMY	0.1059, 0.0666, 0.1020
CMYK	0.04, 0.00, 0.04, 0.07
HSL	126°, 23%, 91%
HSV	126°, 4%, 93%
XYZ	76.7123, 83.3002, 86.1641
YIQ	233.9840, -3.0710, -4.9190

Conversions

Conversions Part 2

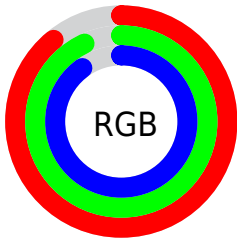
Format	Color
R _Y B	228, 237, 238
Decimal	15003365
CIE Lab	93.15, -4.93, 3.19
CIE LCh	93, 5.871, 147.079
Yxy	83.3002, 0.3116, 0.3384
Android (android.graphics.Color)	4293193445 (0xFFE4EEE5)
YUV	233.9840, -2.4571, -5.2480
Hunter-Lab	91.2689, -9.6899, 7.9145

Details

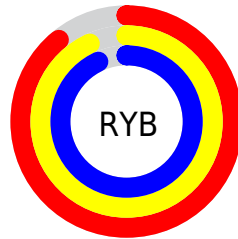
The XYZ color **76.7123, 83.3002, 86.1641** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.2924, 79.7805, 91.3976**, and the grayscale version is **78.2163, 82.2897, 89.6134**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6015, 45.3961, 46.6141** is the 20% darker color. If you saturate the color by 10%, you get **66.8667, 78.5515, 71.0421**, and if you desaturate by 10%, it is **87.9711, 88.7395, 103.2823**.

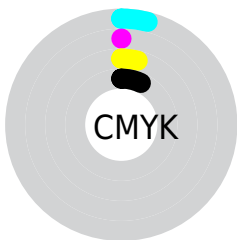
Distribution



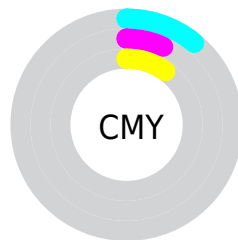
- Red (89%)
- Green (93%)
- Blue (90%)



- Red (89%)
- Yellow (93%)
- Blue (93%)



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7123, 83.3002, 86.1641 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 76.7123, 83.3002, 86.1641 by changing the saturation by 10% instead.

■ 76.7123, 83.3002,
86.1641

■ 76.7123, 83.3002,
86.1641

472.6895,
505.9865, 535.7169

■ 57.3159, 62.4378,
64.2480

127.7083,
137.9958, 143.8870

■ 41.5000, 45.3866,
46.4041

160.0386,
172.5979, 180.5310

■ 28.8994, 31.7620,
32.2139

197.4108,
212.5486, 222.9212

■ 19.1486, 21.1798,
21.2587

240.1904,
258.2325, 271.4764

■ 11.8824, 13.2555,
13.1202

288.7428,
310.0338, 326.6150

■ 6.7353, 7.6047,
7.3797

343.4332,

■ 3.3419, 3.8431,

368.3369, 388.7556

3.6186

404.6270,
433.5264, 458.3167

■ 1.3371, 1.5862,
1.4185

■ 0.2107, 0.3482,
0.1561

■ 76.7123, 83.3002,
86.1641

■ 76.7123, 83.3002,
86.1641

■ 66.8667, 78.5515,
71.0421

■ 87.9711, 88.7395,
103.2823

■ 58.3718, 74.4557,
57.8382

■ 89.8662, 89.6323,
107.1721

■ 51.1706, 70.9873,
46.4776

■ 45.1994, 68.1153,
36.8782

■ 40.3891, 65.8060,
28.9518

■ 36.6638, 64.0222,
22.6027

■ 33.9385, 62.7224,
17.7254

■ 32.1151, 61.8585,
14.2015

■ 31.0758, 61.3727,
11.8944

Harmonies

Analogous

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



77.8327, 83.3002, 83.3497



76.7123, 83.3002, 86.1641



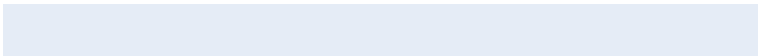
76.2510, 83.3002, 90.2678

Triad

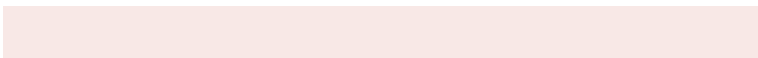
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7123, 83.3002, 86.1641



79.0234, 83.3002, 99.4442



81.8428, 83.3002, 86.8902

Complementary

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



76.7123, 83.3002, 86.1641



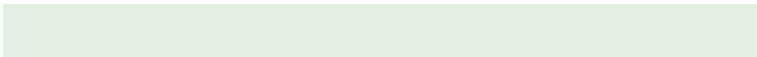
78.2924, 79.7805, 91.3976

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.



82.1715, 83.3002, 91.1331



76.7123, 83.3002, 86.1641



80.5313, 83.3002, 98.4697

Square

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



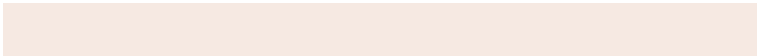
76.7123, 83.3002, 86.1641



77.5744, 83.3002, 98.0135



81.6885, 83.3002, 95.3919



80.7962, 83.3002, 83.7592

Rectangle

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



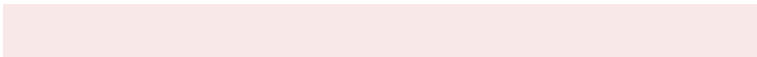
76.7123, 83.3002, 86.1641



76.3747, 83.3002, 93.2156



81.6885, 83.3002, 95.3919



82.0415, 83.3002, 88.2296

Sweetspot

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



76.7146, 83.3038, 86.1659



93.7507, 99.3726, 106.9219



79.5624, 84.7879, 85.5722



20.0802, 21.2764, 22.9065



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

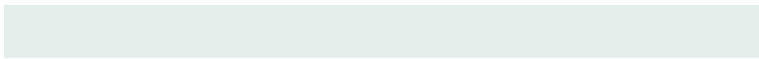
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7146, 83.3038, 86.1659



88.7209, 96.9443, 99.2461



77.3994, 83.5777, 89.7721



16.4667, 18.0858, 18.3576



17.1696, 34.1599, 6.2762



1.4498, 2.8503, 0.6348

Inverse Universe

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



78.2924, 79.7805, 91.3976



90.9120, 92.0514, 106.5116



77.5952, 79.5016, 87.7261



16.9297, 17.0517, 19.8931



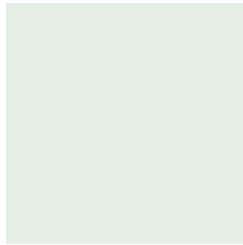
26.4853, 12.8665, 36.8015



2.2229, 1.0782, 3.1644

Previews

White Background



This preview shows how the XYZ color 76.7123, 83.3002, 86.1641 looks on a white background.

Color Contrast Check

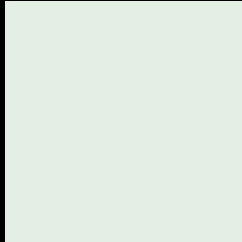
Large Text (above 18pt) WCAG AA × Fail

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 76.7123, 83.3002, 86.1641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

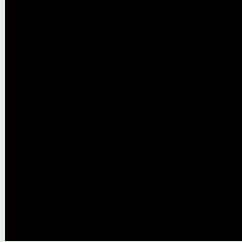
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

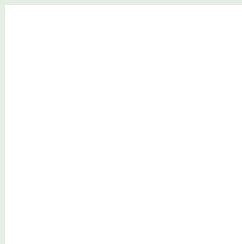
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.7123, 83.3002, 86.1641

Background



This preview shows how black text looks on a background with the XYZ color 76.7123, 83.3002, 86.1641.



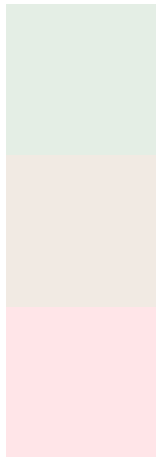
This preview shows how white text looks on a background with the XYZ color 76.7123, 83.3002,

86.1641.

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

76.7123, 83.3002, 86.1641

Protanopia

79.5636, 83.0925, 84.5180

Deuteranopia

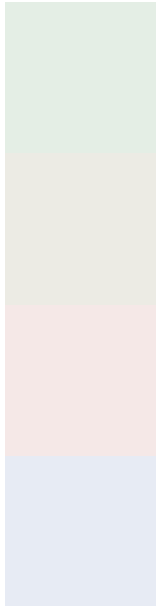
83.8248, 83.1248, 87.9706



Tritanopia

80.4312, 83.0933, 104.7279

Trichromacy



Original Color

76.7123, 83.3002, 86.1641

Protanomaly

78.3040, 82.8510, 85.2636

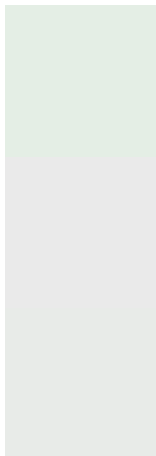
Deuteranomaly

80.9366, 82.8952, 87.3359

Tritanomaly

78.9925, 82.9372, 97.4331

Monochromacy



Original Color

76.7123, 83.3002, 86.1641

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.5525, 82.3987, 88.1610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7123, 83.3002, 86.1641 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(228, 238, 229) looks like.

```
.text, #text, p{  
    color:rgb(228, 238, 229)  
}
```

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(228, 238, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 238, 229) }
```

Border

The CSS property to change the border of an element to XYZ 76.7123, 83.3002, 86.1641 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(228, 238, 229) }
```


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

```
.border{ border-color:rgb(228, 238, 229) }
```

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

Here you see how a box with a 4 pixel rgb(228, 238, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 238, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 238, 229);  
box-shadow:4px 4px 4px 4px rgb(228, 238,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7123, 83.3002, 86.1641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 238, 229) }
```

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

```
.background{ background-color: rgb(228,  
238, 229) }
```

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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