

Converting Colors

XYZ(76.8939, 81.9633, 84.8636)

Have a look what the booklet for
XYZ(76.8939, 81.9633, 84.8636)
contains.

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Color

**XYZ(76.9906, 82.1739,
85.2021)**

Conversions

Conversions Part 1

Format	Color
Hex	E8EBE4
RGB	232, 235, 228
RGB Percent	91%, 92%, 89%
CMY	0.0902, 0.0784, 0.1059
CMYK	0.01, 0.00, 0.03, 0.08
HSL	86°, 15%, 91%
HSV	86°, 3%, 92%
XYZ	76.9906, 82.1739, 85.2021
YIQ	233.3050, 0.4590, -2.8130

Conversions

Conversions Part 2

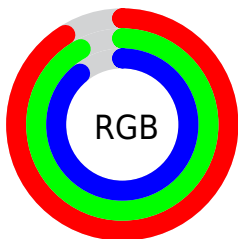
Format	Color
R _Y B	228, 235, 231
Decimal	15264740
CIE Lab	92.65, -2.24, 3.03
CIE LCh	93, 3.765, 126.425
Yxy	82.1739, 0.3151, 0.3363
Android (android.graphics.Color)	4293454820 (0xFFE8EBE4)
YUV	233.3050, -2.6154, -1.1445
Hunter-Lab	90.6498, -7.0338, 7.7280

Details

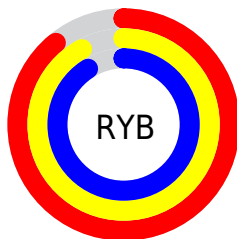
The XYZ color **76.9906, 82.1739, 85.2021** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.6970, 78.4761, 89.7593**, and the grayscale version is **77.7027, 81.7492, 89.0249**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5674, 44.4874, 45.9313** is the 20% darker color. If you saturate the color by 10%, you get **70.7692, 79.3207, 69.0229**, and if you desaturate by 10%, it is **83.8479, 85.3084, 103.7293**.

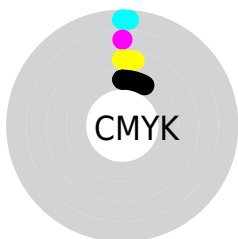
Distribution



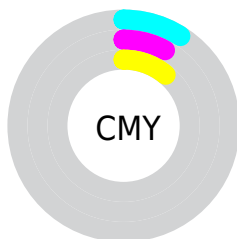
- Red (91%)
- Green (92%)
- Blue (89%)



- Red (89%)
- Yellow (92%)
- Blue (91%)



- Cyan (1%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9906, 82.1739, 85.2021 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 76.9906, 82.1739, 85.2021 by changing the saturation by 10% instead.

■ 76.9906, 82.1739,
85.2021

■ 76.9906, 82.1739,
85.2021

473.6244,
502.2292, 532.4586

■ 57.5451, 61.5089,
63.4573

128.0991,
136.4178, 142.5322

■ 41.6849, 44.6360,
45.7679

160.4928,
170.7656, 178.9545

■ 29.0446, 31.1708,
31.7153

197.9333,
210.4430, 221.1064

■ 19.2590, 20.7289,
20.8811

240.7858,
255.8345, 269.4064

■ 11.9627, 12.9260,
12.8468

289.4159,
307.3244, 324.2731

■ 6.7903, 7.3776,
7.1936

344.1888,

■ 3.3765, 3.6994,

365.2973, 386.1250

3.5032

405.4698,
430.1374, 455.3807

■ 1.3558, 1.5069,
1.3570

■ 0.2244, 0.2935,
0.1078

■ 76.9906, 82.1739,
85.2021

■ 76.9906, 82.1739,
85.2021

■ 70.7692, 79.3207,
69.0229

■ 83.8479, 85.3084,
103.7293

■ 65.1558, 76.7294,
55.0925

■ 87.9636, 87.3657,
106.8348

■ 60.1307, 74.3944,
43.3129

■ 88.9999, 87.8999,
106.8833

■ 55.6701, 72.3057,
33.5763

■ 51.7484, 70.4529,
25.7660

■ 48.3379, 68.8242,
19.7532

■ 45.4074, 67.4070,
15.3935

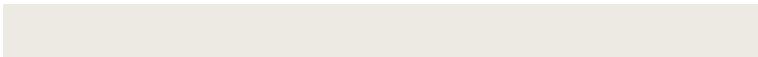
■ 42.9218, 66.1866,
12.5203

■ 40.8388, 65.1458,
10.9319

Harmonies

Analogous

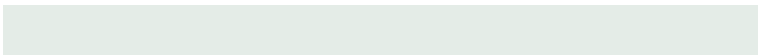
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8932, 82.1739, 84.2185



76.9906, 82.1739, 85.2021



76.3899, 82.1739, 87.3329

Triad

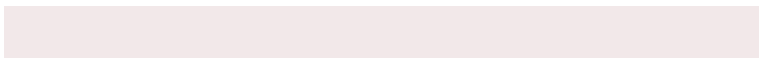
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9906, 82.1739, 85.2021



77.3528, 82.1739, 94.5099



79.9908, 82.1739, 88.8710

Complementary

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



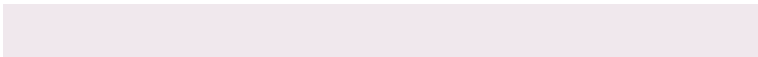
76.9906, 82.1739, 85.2021



75.6970, 78.4761, 89.7593

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.



79.8432, 82.1739, 91.6486



76.9906, 82.1739, 85.2021



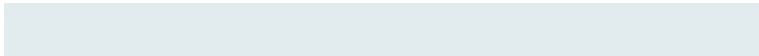
78.3148, 82.1739, 94.9425

Square

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



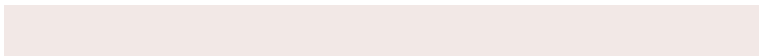
76.9906, 82.1739, 85.2021



76.5978, 82.1739, 92.7153



79.2277, 82.1739, 93.8851



79.6295, 82.1739, 86.3080

Rectangle

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



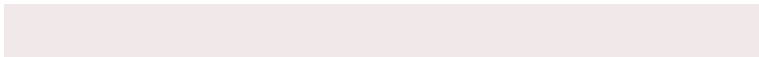
76.9906, 82.1739, 85.2021



76.2387, 82.1739, 89.1374



79.2277, 82.1739, 93.8851



79.9991, 82.1739, 89.8103

Sweetspot

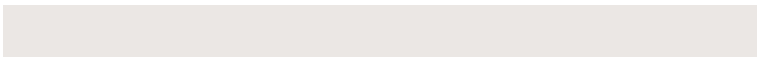
The Sweet Spot groups the original color and five complimentary colors.



76.9929, 82.1774, 85.2039



94.2408, 99.6300, 106.7333



76.8202, 80.3717, 84.8645



20.1800, 21.3288, 22.8681



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.



76.9929, 82.1774, 85.2039



91.8595, 98.5400, 100.4048



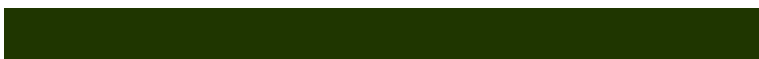
75.8947, 81.6113, 85.1525



16.3314, 17.5801, 17.6974



22.1723, 35.9747, 5.7752



1.8508, 2.8815, 0.4586

Inverse Universe

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



75.6970, 78.4761, 89.7593



89.7714, 92.5758, 107.7452



76.8105, 79.0502, 89.8114



15.8936, 16.3296, 19.2365



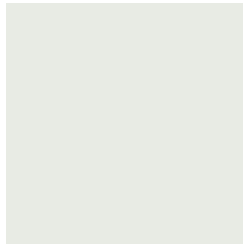
11.4598, 4.9437, 44.0932



1.0080, 0.4439, 3.4674

Previews

White Background



This preview shows how the XYZ color 76.9906, 82.1739, 85.2021 looks on a white background.

Color Contrast Check

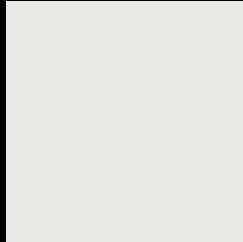
Large Text (above 18pt) WCAG AA × Fail

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 76.9906, 82.1739, 85.2021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

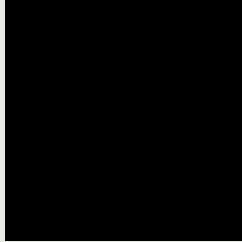
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

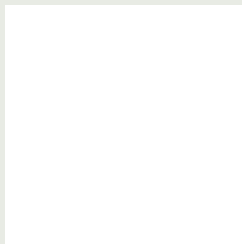
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9906, 82.1739, 85.2021

Background



This preview shows how black text looks on a background with the XYZ color 76.9906, 82.1739, 85.2021.

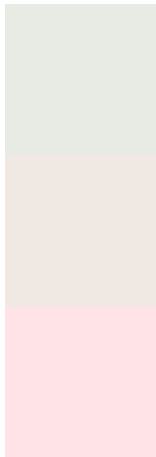


This preview shows how white text looks on a background with the XYZ color 76.9906, 82.1739,

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

76.9906, 82.1739, 85.2021

Protanopia

78.9392, 82.3491, 84.4075

Deuteranopia

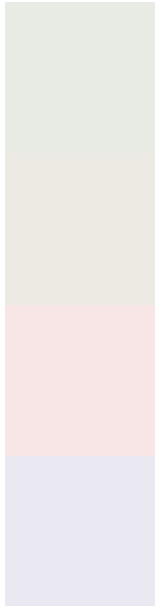
82.9920, 81.9113, 86.2992



Tritanopia

80.3729, 82.2775, 102.0875

Trichromacy



Original Color

76.9906, 82.1739, 85.2021

Protanomaly

78.2130, 82.3962, 84.4548

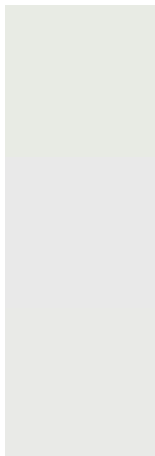
Deuteranomaly

80.7974, 82.0249, 85.7027

Tritanomaly

79.0976, 82.1811, 95.6980

Monochromacy



Original Color

76.9906, 82.1739, 85.2021

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.4509, 81.9388, 87.3350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9906, 82.1739, 85.2021 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(232, 235, 228) looks like.

```
.text, #text, p{  
    color:rgb(232, 235, 228)  
}
```

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(232, 235, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 235, 228) }
```

Border

The CSS property to change the border of an element to XYZ 76.9906, 82.1739, 85.2021 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(232, 235, 228) }
```


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

```
.border{ border-color:rgb(232, 235, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 235, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 235, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 235, 228);  
box-shadow:4px 4px 4px 4px rgb(232, 235,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9906, 82.1739, 85.2021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 235, 228) }
```

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

```
.background{ background-color: rgb(232,  
235, 228) }
```

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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