

Converting Colors

XYZ(81.3474, 87.8110, 89.7477)

Have a look what the booklet for
XYZ(81.3474, 87.8110, 89.7477)
contains.

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Color

**XYZ(81.3506, 87.8172,
89.7536)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF3E9
RGB	236, 243, 233
RGB Percent	93%, 95%, 91%
CMY	0.0745, 0.0470, 0.0863
CMYK	0.03, 0.00, 0.04, 0.05
HSL	102°, 29%, 93%
HSV	102°, 4%, 95%
XYZ	81.3506, 87.8172, 89.7536
YIQ	239.7670, -0.9620, -4.5940

Conversions

Conversions Part 2

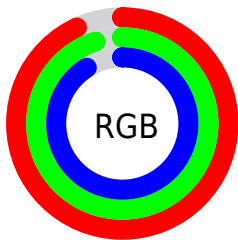
Format	Color
R_{YB}	233, 243, 240
Decimal	15528937
CIE Lab	95.08, -4.08, 4.00
CIE LCh	95, 5.715, 135.598
Yxy	87.8172, 0.3142, 0.3392
Android (android.graphics.Color)	4293719017 (0xFFE9CF3E)
YUV	239.7670, -3.3361, -3.3037
Hunter-Lab	93.7108, -9.0377, 8.8113

Details

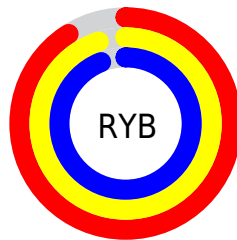
The XYZ color **81.3506, 87.8172, 89.7536** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.2552, 83.2766, 96.5899**, and the grayscale version is **82.6701, 86.9754, 94.7162**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5285, 48.4183, 48.5937** is the 20% darker color. If you saturate the color by 10%, you get **72.7335, 83.7513, 72.4600**, and if you desaturate by 10%, it is **90.6160, 92.2102, 107.6301**.

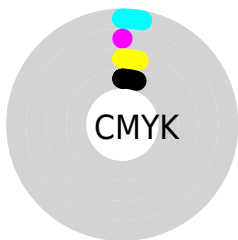
Distribution



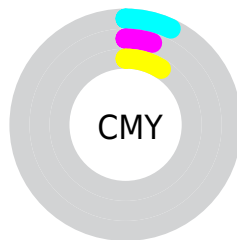
- Red (93%)
- Green (95%)
- Blue (91%)



- Red (91%)
- Yellow (95%)
- Blue (94%)



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.3506, 87.8172, 89.7536 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 81.3506, 87.8172, 89.7536 by changing the saturation by 10% instead.

81.3506, 87.8172,
89.7536

81.3506, 87.8172,
89.7536

488.1404,
520.9044, 547.7784

61.1427, 66.1717,
67.2037

134.2035,
144.3026, 148.9286

44.5933, 48.4118,
48.7876

167.5792,
179.9113, 186.3908

31.3371, 34.1531,
34.0866

206.0749,
220.9432, 229.6609

21.0088, 23.0112,
22.6822

250.0559,
267.7827, 279.1575

13.2429, 14.6018,
14.1560

299.8876,
320.8142, 335.2989

7.6742, 8.5404,
8.0892

355.9354,

3.9372, 4.4426,

380.4220, 398.5039

4.0635

418.5645,
446.9906, 469.1908

■ 1.6667, 1.9241,
1.6602

■ 0.4353, 0.5628,
0.3333

■ 81.3506, 87.8172,
89.7536

■ 81.3506, 87.8172,
89.7536

■ 72.7335, 83.7513,
72.4600

■ 90.6160, 92.2102,
107.6301

■ 65.0959, 80.1349,
57.6046

■ 91.3423, 92.5846,
107.6641

■ 58.4038, 76.9553,
45.0793

■ 52.6186, 74.1952,
34.7657

■ 47.6986, 71.8359,
26.5351

■ 43.5988, 69.8574,
20.2453

■ 40.2696, 68.2374,
15.7364

■ 37.6550, 66.9513,
12.8229

■ 35.6897, 65.9703,
11.2786

Harmonies

Analogous

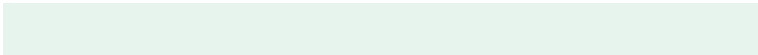
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6666, 87.8172, 87.6089



81.3506, 87.8172, 89.7536



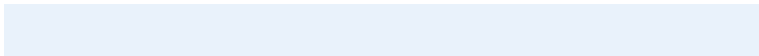
80.6063, 87.8172, 93.5050

Triad

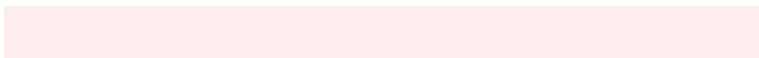
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.3506, 87.8172, 89.7536



82.7265, 87.8172, 104.1499



86.3793, 87.8172, 93.3350

Complementary

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



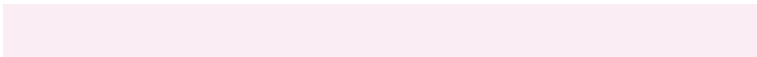
81.3506, 87.8172, 89.7536



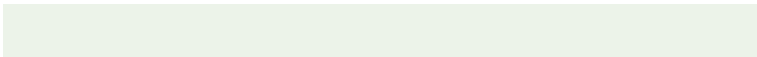
81.2552, 83.2766, 96.5899

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.



86.3958, 87.8172, 97.7626



81.3506, 87.8172, 89.7536



84.2738, 87.8172, 104.1009

Square

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



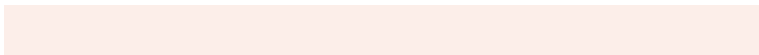
81.3506, 87.8172, 89.7536



81.3940, 87.8172, 101.8642



85.6210, 87.8172, 101.7324



85.5762, 87.8172, 89.6325

Rectangle

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



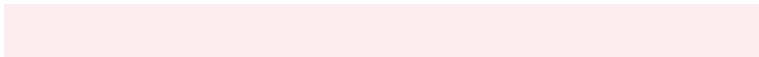
81.3506, 87.8172, 89.7536



80.5285, 87.8172, 96.4554



85.6210, 87.8172, 101.7324



86.4774, 87.8172, 94.7855

Sweetspot

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



81.3531, 87.8210, 89.7555



93.9883, 99.4998, 106.7215



82.8338, 87.2618, 89.5695



20.1286, 21.3023, 22.8657



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.



81.3531, 87.8210, 89.7555



89.8562, 97.5519, 98.2949



80.6529, 87.4268, 91.2234



17.4773, 19.0564, 18.9937



19.2111, 36.0165, 5.9394



1.7878, 3.2167, 0.5267

Inverse Universe

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



81.2552, 83.2766, 96.5899



89.7241, 91.4153, 107.5237



81.9814, 83.6857, 95.0550



17.4480, 17.6966, 21.0387



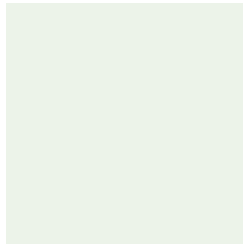
18.1362, 8.3239, 47.1888



1.6974, 0.7849, 4.1523

Previews

White Background



This preview shows how the XYZ color 81.3506, 87.8172, 89.7536 looks on a white background.

Color Contrast Check

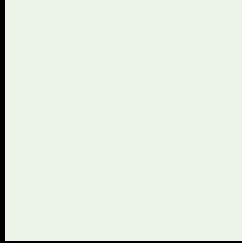
Large Text (above 18pt) WCAG AA × Fail

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 81.3506, 87.8172, 89.7536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

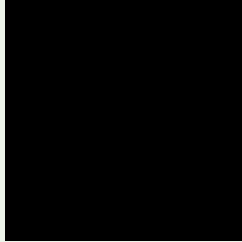
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

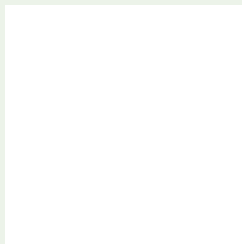
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.3506, 87.8172, 89.7536

Background



This preview shows how black text looks on a background with the XYZ color 81.3506, 87.8172, 89.7536.



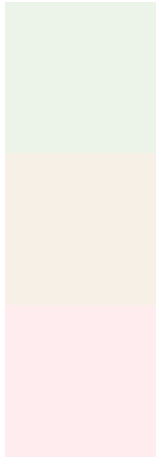
This preview shows how white text looks on a background with the XYZ color 81.3506, 87.8172,

89.7536.

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

81.3506, 87.8172, 89.7536

Protanopia

83.9417, 87.8639, 88.1365

Deuteranopia

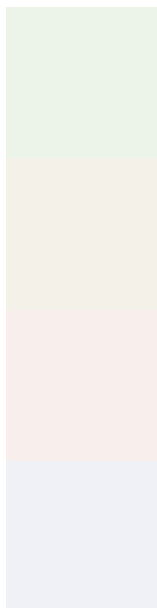
86.6681, 87.4240, 93.1955



Tritanopia

85.1453, 88.0654, 107.1184

Trichromacy



Original Color

81.3506, 87.8172, 89.7536

Protanomaly

82.9829, 87.7915, 88.9157

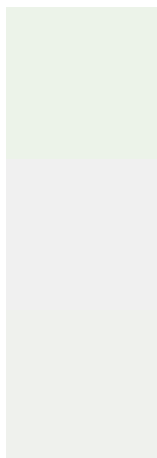
Deuteranomaly

84.7182, 87.7456, 91.8283

Tritanomaly

83.8404, 87.9767, 100.5580

Monochromacy



Original Color

81.3506, 87.8172, 89.7536

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.3380, 87.3757, 92.6463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3506, 87.8172, 89.7536 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(236, 243, 233) looks like.

```
.text, #text, p{  
    color:rgb(236, 243, 233)  
}
```

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(236, 243, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 243, 233) }
```

Border

The CSS property to change the border of an element to XYZ 81.3506, 87.8172, 89.7536 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(236, 243, 233) }
```


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

```
.border{ border-color:rgb(236, 243, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 243, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 243, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 243, 233); box-shadow:4px 4px 4px 4px rgb(236, 243, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3506, 87.8172, 89.7536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 243, 233) }
```

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

```
.background{ background-color: rgb(236,  
243, 233) }
```

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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