

Converting Colors

XYZ(81.1615, 87.9954, 97.5012)

Have a look what the booklet for
XYZ(81.1615, 87.9954, 97.5012)
contains.

XYZ(81.1615, 87.9954, 97.5012)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.1615, 87.9954,
97.5012)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F4F3
RGB	230, 244, 243
RGB Percent	90%, 96%, 95%
CMY	0.0980, 0.0431, 0.0471
CMYK	0.06, 0.00, 0.00, 0.04
HSL	176°, 39%, 93%
HSV	176°, 6%, 96%
XYZ	81.1615, 87.9954, 97.5012
YIQ	239.7000, -8.0230, -3.2790

Conversions

Conversions Part 2

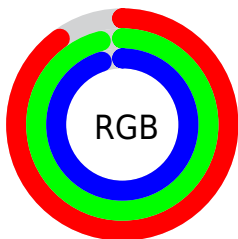
Format	Color
R _Y B	230, 237, 244
Decimal	15135987
CIE Lab	95.16, -4.77, -1.12
CIE LCh	95, 4.904, 193.199
Yxy	87.9954, 0.3044, 0.3300
Android (android.graphics.Color)	4293326067 (0xFFE6F4F3)
YUV	239.7000, 1.6269, -8.5069
Hunter-Lab	93.8059, -9.7208, 4.0385

Details

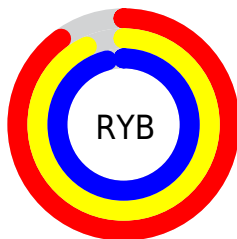
The XYZ color **81.1615, 87.9954, 97.5012** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.0321, 81.5986, 87.1375**, and the grayscale version is **82.5842, 86.8850, 94.6178**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4084, 48.5530, 54.0448** is the 20% darker color. If you saturate the color by 10%, you get **73.6104, 84.1355, 95.7774**, and if you desaturate by 10%, it is **89.8162, 92.4288, 99.2935**.

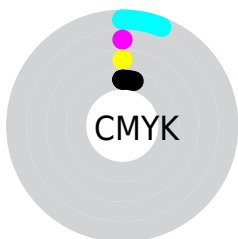
Distribution



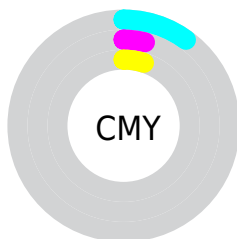
- Red (90%)
- Green (96%)
- Blue (95%)



- Red (90%)
- Yellow (93%)
- Blue (96%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (10%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1615, 87.9954, 97.5012 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 81.1615, 87.9954, 97.5012 by changing the saturation by 10% instead.

81.1615, 87.9954,
97.5012

81.1615, 87.9954,
97.5012

487.5157,
521.4882, 573.3293

60.9864, 66.3193,
73.6101

133.9395,
144.5508, 159.7408

44.4667, 48.5316,
53.9801

167.2730,
180.1988, 198.9264

31.2370, 34.2481,
38.1927

205.7234,
221.2728, 244.0473

20.9321, 23.0842,
25.8293

249.6561,
268.1574, 295.5219

13.1866, 14.6557,
16.4714

299.4362,
321.2368, 353.7689

7.6350, 8.5781,
9.7004

355.4293,

3.9121, 4.4670,

380.8955, 419.2068

5.0977

418.0007,
447.5178, 492.2541

■ 1.6525, 1.9381,
2.2450

■ 0.4263, 0.5711,
0.7002

■ 81.1615, 87.9954,
97.5012

■ 81.1615, 87.9954,
97.5012

■ 73.6104, 84.1355,
95.7774

■ 89.8162, 92.4288,
99.2935

■ 67.1101, 80.8145,
94.1140

■ 90.3037, 92.6492,
100.7149

■ 61.6147, 78.0113,
92.5107

■ 90.5742, 92.7574,
102.1393

■ 57.0719, 75.6990,
90.9650

■ 90.8472, 92.8666,
103.5771

■ 53.4249, 73.8481,
89.4742

■ 91.1228, 92.9768,
105.0284

■ 50.6105, 72.4261,
88.0353

■ 91.4009, 93.0881,
106.4930

■ 48.5576, 71.3965,
86.6450

■ 91.6423, 93.1846,
107.7641

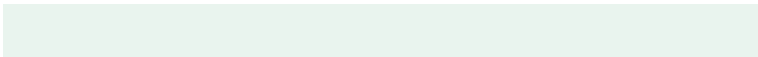
■ 47.1830, 70.7162,
85.2993

■ 46.3838, 70.3323,
83.9934

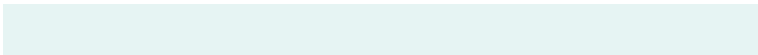
Harmonies

Analogous

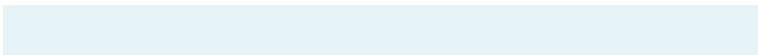
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2025, 87.9954, 93.7017



81.1615, 87.9954, 97.5012



81.7788, 87.9954, 100.9354

Triad

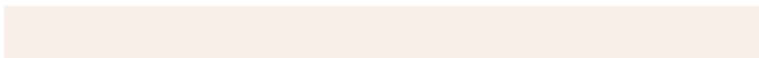
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1615, 87.9954, 97.5012



85.4073, 87.9954, 101.2744



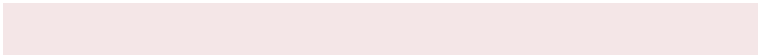
84.3815, 87.9954, 88.9421

Complementary

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



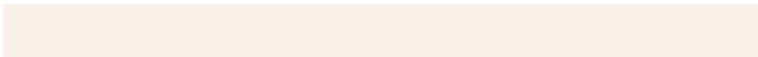
81.1615, 87.9954, 97.5012



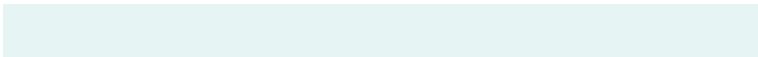
80.0321, 81.5986, 87.1375

Split Complementary

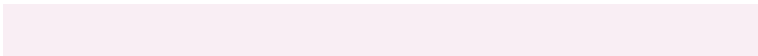
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5231, 87.9954, 90.8650



81.1615, 87.9954, 97.5012



86.1197, 87.9954, 97.9538

Square

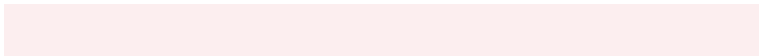
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1615, 87.9954, 97.5012



84.2247, 87.9954, 103.1526



86.1623, 87.9954, 94.1425



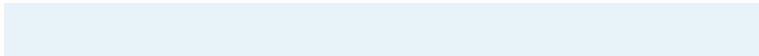
83.0520, 87.9954, 88.8282

Rectangle

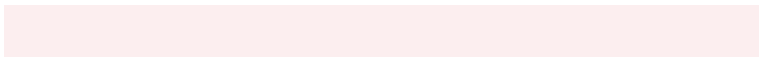
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



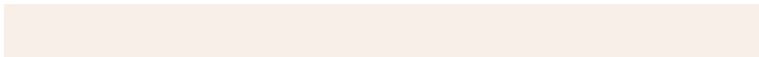
81.1615, 87.9954, 97.5012



82.4843, 87.9954, 102.5280



86.1623, 87.9954, 94.1425



84.8003, 87.9954, 89.3959

Sweetspot

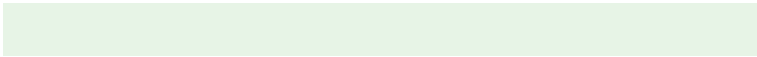
The Sweet Spot groups the original color and five complimentary colors.



81.1640, 87.9991, 97.5031



93.1397, 99.0220, 108.5037



79.6451, 87.4350, 87.5433



19.9557, 21.2050, 23.2284



0.0000, 0.0000, 0.0000



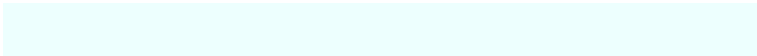
20.3446, 21.4041, 23.3091

Same Dimension

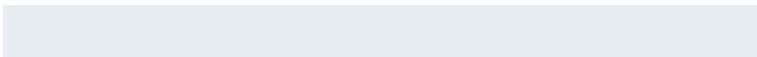
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1640, 87.9991, 97.5031



88.5798, 96.6882, 107.5256



79.5880, 84.6038, 97.7277



17.2626, 18.8999, 21.0527



25.1148, 38.1907, 45.4856



2.2224, 3.3626, 4.0772

Inverse Universe

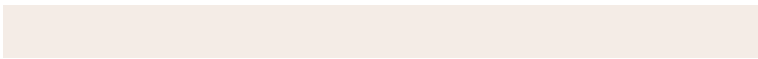
The Inverse Universe completely reimagines the original color for something new.



80.0321, 81.5986, 87.1375



87.0634, 88.1136, 93.6390



81.5418, 84.8443, 86.9432



16.9424, 17.0891, 18.1200



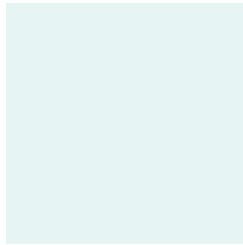
20.3610, 10.4879, 1.3437



1.8060, 0.9284, 0.2047

Previews

White Background



This preview shows how the XYZ color 81.1615, 87.9954, 97.5012 looks on a white background.

Color Contrast Check

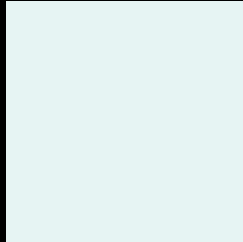
Large Text (above 18pt) WCAG AA × Fail

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 81.1615, 87.9954, 97.5012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

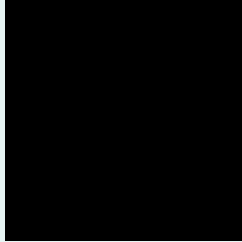
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

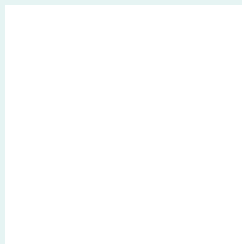
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.1615, 87.9954, 97.5012

Background



This preview shows how black text looks on a background with the XYZ color 81.1615, 87.9954, 97.5012.



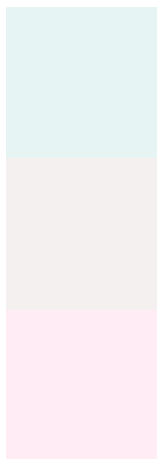
This preview shows how white text looks on a background with the XYZ color 81.1615, 87.9954,

97.5012.

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

81.1615, 87.9954, 97.5012

Protanopia

84.5445, 88.0239, 94.9724

Deuteranopia

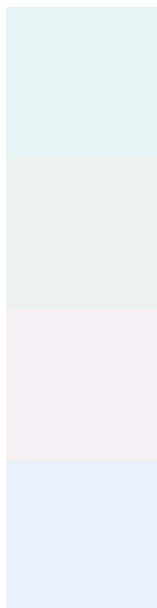
87.5646, 87.7826, 97.9165



Tritanopia

83.7662, 87.7928, 107.1385

Trichromacy



Original Color

81.1615, 87.9954, 97.5012

Protanomaly

83.2677, 87.7867, 95.7749

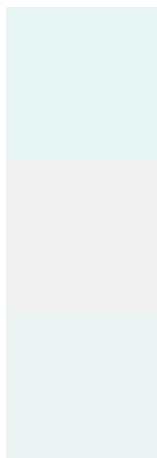
Deuteranomaly

85.2017, 87.8575, 98.0555

Tritanomaly

82.7690, 87.7929, 103.8501

Monochromacy



Original Color

81.1615, 87.9954, 97.5012

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.9246, 87.0943, 95.7121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1615, 87.9954, 97.5012 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, 244, 243) looks like.

```
.text, #text, p{  
    color:rgb(230, 244, 243)  
}
```

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, 244, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 244, 243) }
```

Border

The CSS property to change the border of an element to XYZ 81.1615, 87.9954, 97.5012 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, 244, 243) }
```


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

```
.border{ border-color:rgb(230, 244, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 244, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 244, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 244, 243);  
box-shadow:4px 4px 4px 4px rgb(230, 244,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1615, 87.9954, 97.5012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 244, 243) }
```

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

```
.background{ background-color: rgb(230,  
244, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor