

Converting Colors

XYZ(81.7667, 87.6183, 88.1978)

Have a look what the booklet for
XYZ(81.7667, 87.6183, 88.1978)
contains.

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Color

**XYZ(81.7725, 87.6245,
88.2047)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF2E7
RGB	239, 242, 231
RGB Percent	94%, 95%, 91%
CMY	0.0627, 0.0510, 0.0941
CMYK	0.01, 0.00, 0.05, 0.05
HSL	76°, 30%, 93%
HSV	76°, 5%, 95%
XYZ	81.7725, 87.6245, 88.2047
YIQ	239.8490, 1.7430, -4.0570

Conversions

Conversions Part 2

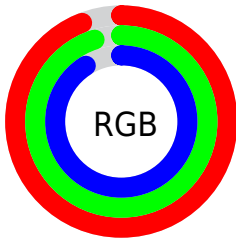
Format	Color
R _Y B	231, 242, 234
Decimal	15725287
CIE Lab	95.00, -2.91, 4.94
CIE LCh	95, 5.738, 120.511
Yxy	87.6245, 0.3174, 0.3402
Android (android.graphics.Color)	4293915367 (0xFFEFF2E7)
YUV	239.8490, -4.3626, -0.7446
Hunter-Lab	93.6080, -7.8828, 9.6579

Details

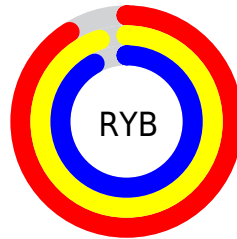
The XYZ color **81.7725, 87.6245, 88.2047** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.5381, 81.0575, 95.5152**, and the grayscale version is **82.7405, 87.0495, 94.7969**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8252, 48.2802, 47.5139** is the 20% darker color. If you saturate the color by 10%, you get **76.3986, 85.2247, 71.3275**, and if you desaturate by 10%, it is **87.6729, 90.2499, 107.4069**.

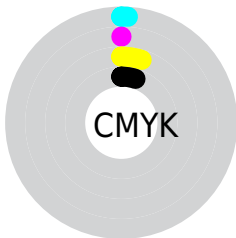
Distribution



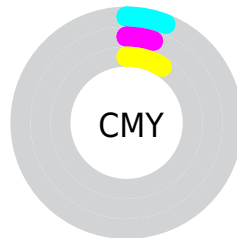
- Red (94%)
- Green (95%)
- Blue (91%)



- Red (91%)
- Yellow (95%)
- Blue (92%)



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)



- Cyan (6%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7725, 87.6245, 88.2047 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 81.7725, 87.6245, 88.2047 by changing the saturation by 10% instead.

81.7725, 87.6245,
88.2047

81.7725, 87.6245,
88.2047

489.5324,
520.2728, 542.5920

61.4915, 66.0121,
65.9273

134.7924,
144.0343, 146.7558

44.8760, 48.2823,
47.7573

168.2620,
179.6005, 183.8665

31.5606, 34.0505,
33.2761

206.8586,
220.5867, 226.7588

21.1800, 22.9324,
22.0652

250.9474,
267.3774, 275.8511

13.3689, 14.5436,
13.7060

300.8938,
320.3570, 331.5621

7.7618, 8.4997,
7.7801

357.0632,

3.9934, 4.4163,

379.9098, 394.3102

3.8688

419.8210,
446.4203, 464.5140

■ 1.6984, 1.9091,
1.5536

■ 0.4553, 0.5538,
0.2574

■ 81.7725, 87.6245,
88.2047

■ 81.7725, 87.6245,
88.2047

■ 76.3986, 85.2247,
71.3275

■ 87.6729, 90.2499,
107.4069

■ 71.5564, 83.0441,
56.8398

■ 90.0274, 91.4637,
107.5171

■ 67.2268, 81.0778,
44.6349

■ 91.0439, 91.9877,
107.5646

■ 63.3868, 79.3164,
34.5960

■ 60.0113, 77.7498,
26.5958

■ 57.0727, 76.3670,
20.4938

■ 54.5400, 75.1552,
16.1316

■ 52.3774, 74.1002,
13.3253

■ 50.5410, 73.1843,
11.8496

Harmonies

Analogous

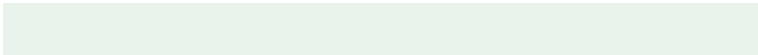
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2577, 87.6245, 87.0822



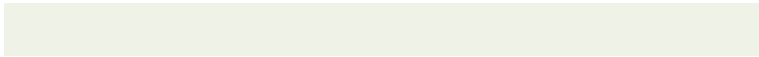
81.7725, 87.6245, 88.2047



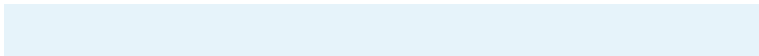
80.7035, 87.6245, 91.2462

Triad

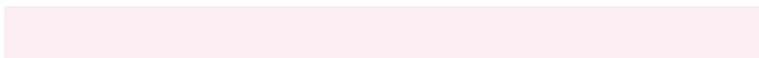
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7725, 87.6245, 88.2047



81.8182, 87.6245, 103.0741



86.3166, 87.6245, 95.3317

Complementary

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



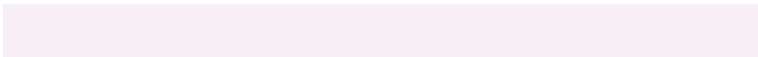
81.7725, 87.6245, 88.2047



78.5381, 81.0575, 95.5152

Split Complementary

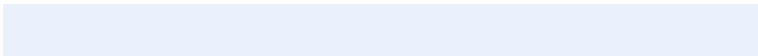
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9199, 87.6245, 99.6949



81.7725, 87.6245, 88.2047



83.3112, 87.6245, 104.2486

Square

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



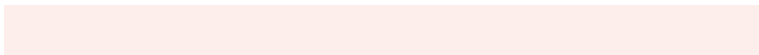
81.7725, 87.6245, 88.2047



80.7297, 87.6245, 99.8314



84.8149, 87.6245, 102.9936



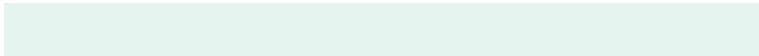
85.8926, 87.6245, 91.1176

Rectangle

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



81.7725, 87.6245, 88.2047



80.3640, 87.6245, 94.0005



84.8149, 87.6245, 102.9936



86.2748, 87.6245, 96.8298

Sweetspot

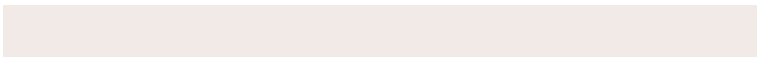
The Sweet Spot groups the original color and five complimentary colors.



81.7749, 87.6283, 88.2066



94.3864, 99.7050, 106.7401



80.4487, 83.4572, 87.4714



20.2096, 21.3441, 22.8695



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

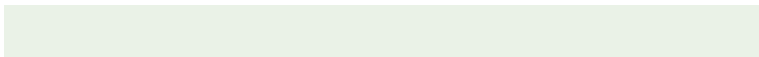
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7749, 87.6283, 88.2066



91.7954, 98.5515, 98.3856



79.9684, 86.6970, 88.1221



17.1157, 18.4251, 18.1766



26.8045, 39.1398, 6.1420



2.3248, 3.3050, 0.5154

Inverse Universe

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



78.5381, 81.0575, 95.5152



87.7885, 90.4175, 107.4331



80.3491, 81.9911, 95.6000



16.2689, 16.7060, 20.0887



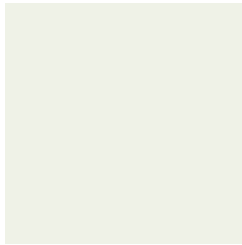
9.9317, 4.1254, 45.4007



0.9185, 0.3908, 3.7812

Previews

White Background



This preview shows how the XYZ color 81.7725, 87.6245, 88.2047 looks on a white background.

Color Contrast Check

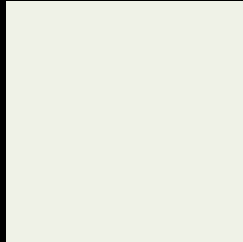
Large Text (above 18pt) WCAG AA × Fail

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 81.7725, 87.6245, 88.2047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

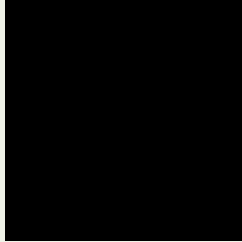
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

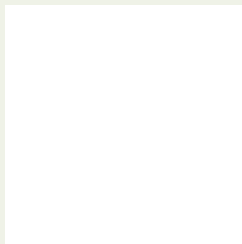
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7725, 87.6245, 88.2047

Background



This preview shows how black text looks on a background with the XYZ color 81.7725, 87.6245, 88.2047.



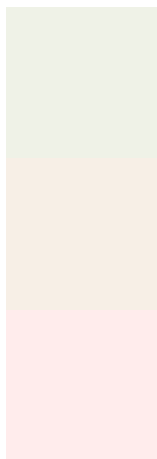
This preview shows how white text looks on a background with the XYZ color 81.7725, 87.6245,

88.2047.

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

81.7725, 87.6245, 88.2047

Protanopia

83.5072, 87.2203, 87.2968

Deuteranopia

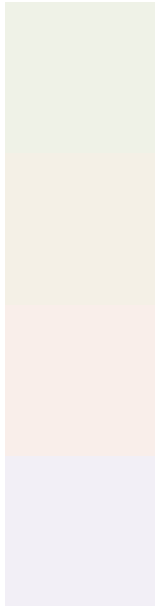
86.3758, 87.3070, 91.6563



Tritanopia

85.5867, 87.4238, 106.9713

Trichromacy



Original Color

81.7725, 87.6245, 88.2047

Protanomaly

82.7512, 87.2664, 87.3456

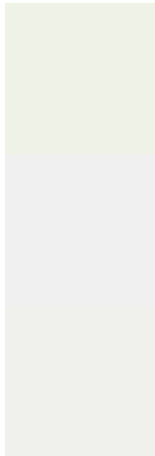
Deuteranomaly

84.4927, 87.2293, 90.2256

Tritanomaly

84.1190, 87.2641, 99.5989

Monochromacy



Original Color

81.7725, 87.6245, 88.2047

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.6765, 87.5503, 92.6621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7725, 87.6245, 88.2047 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(239, 242, 231) looks like.

```
.text, #text, p{  
    color:rgb(239, 242, 231)  
}
```

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(239, 242, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 242, 231) }
```

Border

The CSS property to change the border of an element to XYZ 81.7725, 87.6245, 88.2047 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(239, 242, 231) }
```


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

```
.border{ border-color:rgb(239, 242, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 242, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(239, 242,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7725, 87.6245, 88.2047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 242, 231) }
```

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

```
.background{ background-color: rgb(239,  
242, 231) }
```

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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