

Converting Colors

XYZ(82.1207, 87.8097, 88.2306)

Have a look what the booklet for
XYZ(82.1207, 87.8097, 88.2306)
contains.

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Color

**XYZ(82.1111, 87.7990,
88.2205)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F2E7
RGB	240, 242, 231
RGB Percent	94%, 95%, 91%
CMY	0.0588, 0.0510, 0.0941
CMYK	0.01, 0.00, 0.05, 0.05
HSL	71°, 30%, 93%
HSV	71°, 5%, 95%
XYZ	82.1111, 87.7990, 88.2205
YIQ	240.1480, 2.3390, -3.8450

Conversions

Conversions Part 2

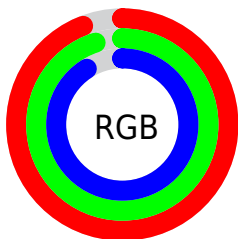
Format	Color
R_{YB}	231, 242, 233
Decimal	15790823
CIE Lab	95.08, -2.57, 5.06
CIE LCh	95, 5.677, 116.976
Yxy	87.7990, 0.3181, 0.3401
Android (android.graphics.Color)	4293980903 (0xFFFF0F2E7)
YUV	240.1480, -4.5100, -0.1298
Hunter-Lab	93.7011, -7.5559, 9.7687

Details

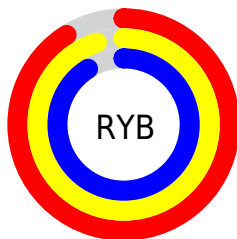
The XYZ color **82.1111, 87.7990, 88.2205** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.2105, 80.8886, 95.4998**, and the grayscale version is **82.9753, 87.2965, 95.0659**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0639, 48.4033, 47.5251** is the 20% darker color. If you saturate the color by 10%, you get **77.4492, 85.7663, 71.3767**, and if you desaturate by 10%, it is **87.2543, 90.0341, 107.3873**.

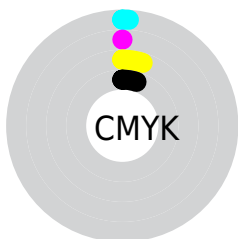
Distribution



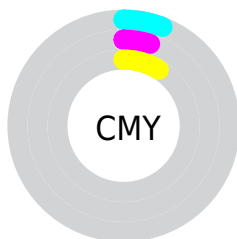
- Red (94%)
- Green (95%)
- Blue (91%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.1111, 87.7990, 88.2205 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 82.1111, 87.7990, 88.2205 by changing the saturation by 10% instead.

82.1111, 87.7990,
88.2205

82.1111, 87.7990,
88.2205

490.6481,
520.8448, 542.6451

61.7715, 66.1566,
65.9403

135.2648,
144.2773, 146.7779

45.1030, 48.3996,
47.7678

168.8096,
179.8820, 183.8923

31.7402, 34.1434,
33.2843

207.4870,
220.9096, 226.7884

21.3177, 23.0038,
22.0715

251.6621,
267.7445, 275.8849

13.4702, 14.5963,
13.7106

301.7005,
320.7710, 331.6003

7.8324, 8.5366,
7.7832

357.9673,

4.0388, 4.4402,

380.3737, 394.3531

3.8708

420.8281,
446.9368, 464.5618

■ 1.7241, 1.9227,
1.5547

■ 0.4713, 0.5620,
0.2582

■ 82.1111, 87.7990,
88.2205

■ 82.1111, 87.7990,
88.2205

■ 77.4492, 85.7663,
71.3767

■ 87.2543, 90.0341,
107.3873

■ 73.2744, 83.9297,
56.9202

■ 88.8057, 90.8339,
107.4599

■ 69.5683, 82.2848,
44.7445

■ 90.3940, 91.6527,
107.5342

■ 66.3083, 80.8225,
34.7327

■ 91.0438, 91.9877,
107.5646

■ 63.4701, 79.5329,
26.7577

■ 61.0268, 78.4053,
20.6788

■ 58.9480, 77.4276,
16.3379

■ 57.1985, 76.5855,
13.5510

■ 55.7352, 75.8620,
12.0927

Harmonies

Analogous

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



83.6070, 87.7990, 87.3579



82.1111, 87.7990, 88.2205



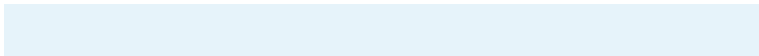
80.9862, 87.7990, 91.0396

Triad

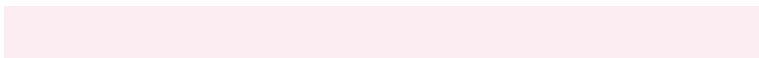
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1111, 87.7990, 88.2205



81.8430, 87.7990, 102.9043



86.4497, 87.7990, 96.0474

Complementary

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



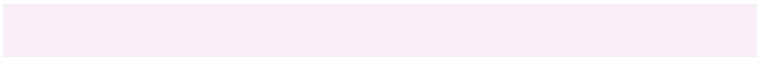
82.1111, 87.7990, 88.2205



78.2105, 80.8886, 95.4998

Split Complementary

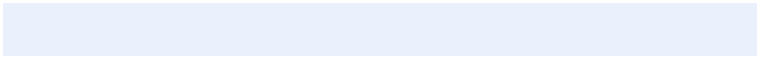
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9639, 87.7990, 100.3064



82.1111, 87.7990, 88.2205



83.2938, 87.7990, 104.3411

Square

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



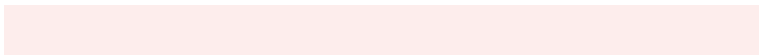
82.1111, 87.7990, 88.2205



80.8328, 87.7990, 99.5064



84.8040, 87.7990, 103.3761



86.1237, 87.7990, 91.7937

Rectangle

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



82.1111, 87.7990, 88.2205



80.5917, 87.7990, 93.6951



84.8040, 87.7990, 103.3761



86.3758, 87.7990, 97.5269

Sweetspot

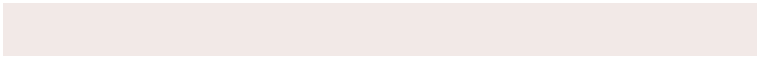
The Sweet Spot groups the original color and five complimentary colors.



82.1135, 87.8028, 88.2224



94.4714, 99.7489, 106.7441



80.1364, 82.8328, 87.3673



20.2269, 21.3530, 22.8703



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.



82.1135, 87.8028, 88.2224



92.2153, 98.7680, 98.4053



80.3299, 86.8833, 88.1389



17.2047, 18.4710, 18.1808



29.6643, 40.6141, 6.2758



2.5404, 3.4161, 0.5255

Inverse Universe

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



78.2105, 80.8886, 95.4998



87.3837, 90.2088, 107.4142



79.9777, 81.7996, 95.5825



16.1836, 16.6620, 20.0847



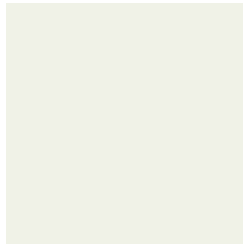
9.2513, 3.7746, 45.3688



0.8442, 0.3524, 3.7778

Previews

White Background



This preview shows how the XYZ color 82.1111, 87.7990, 88.2205 looks on a white background.

Color Contrast Check

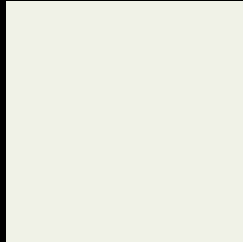
Large Text (above 18pt) WCAG AA × Fail

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 82.1111, 87.7990, 88.2205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

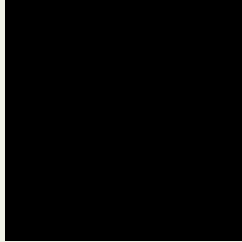
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

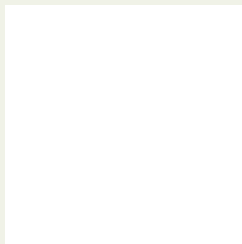
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.1111, 87.7990, 88.2205

Background



This preview shows how black text looks on a background with the XYZ color 82.1111, 87.7990, 88.2205.



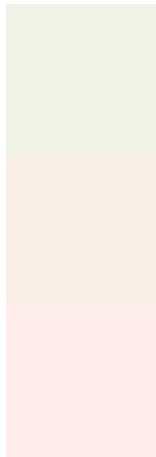
This preview shows how white text looks on a background with the XYZ color 82.1111, 87.7990,

88.2205.

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

82.1111, 87.7990, 88.2205

Protanopia

84.1544, 87.9898, 87.4112

Deuteranopia

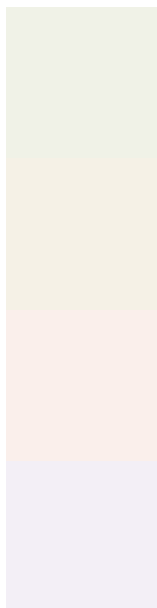
86.8102, 87.9428, 92.5200



Tritanopia

85.9328, 87.6022, 106.9875

Trichromacy



Original Color

82.1111, 87.7990, 88.2205

Protanomaly

83.3944, 88.0362, 87.4602

Deuteranomaly

85.2862, 88.0552, 91.0985

Tritanomaly

84.4632, 87.4415, 99.6150

Monochromacy



Original Color

82.1111, 87.7990, 88.2205

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 82.1111, 87.7990, 88.2205 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(240, 242, 231) looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 242, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 242, 231) }
```

Border

The CSS property to change the border of an element to XYZ 82.1111, 87.7990, 88.2205 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(240, 242, 231) }
```


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

```
.border{ border-color:rgb(240, 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(240, 242, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(240, 242,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 82.1111, 87.7990, 88.2205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 242, 231) }
```

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

```
.background{ background-color: rgb(240,  
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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