

Converting Colors

XYZ(80.8361, 87.4382, 78.1492)

Have a look what the booklet for
XYZ(80.8361, 87.4382, 78.1492)
contains.

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Color

**XYZ(80.8945, 87.3913,
78.2502)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F2D9
RGB	242, 242, 217
RGB Percent	95%, 95%, 85%
CMY	0.0510, 0.0510, 0.1490
CMYK	0.00, 0.00, 0.10, 0.05
HSL	60°, 49%, 90%
HSV	60°, 10%, 95%
XYZ	80.8945, 87.3913, 78.2502
YIQ	239.1500, 8.0250, -7.7750

Conversions

Conversions Part 2

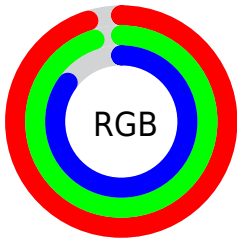
Format	Color
R_{YB}	217, 242, 217
Decimal	15921881
CIE Lab	94.90, -4.20, 12.07
CIE LCh	95, 12.777, 109.173
Yxy	87.3913, 0.3281, 0.3545
Android (android.graphics.Color)	4294111961 (0xFFFF2F2D9)
YUV	239.1500, -10.9200, 2.4994
Hunter-Lab	93.4833, -9.1333, 15.8096

Details

The XYZ color **80.8945, 87.3913, 78.2502** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.4585, 70.7905, 94.0122**, and the grayscale version is **82.2410, 86.5239, 94.2245**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3302, 48.1655, 41.1428** is the 20% darker color. If you saturate the color by 10%, you get **77.9741, 86.2258, 62.8694**, and if you desaturate by 10%, it is **84.2813, 88.7491, 96.0659**.

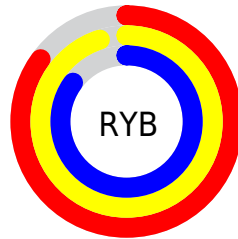
Distribution



Red (95%)

Green (95%)

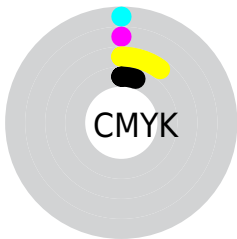
Blue (85%)



Red (85%)

Yellow (95%)

Blue (85%)

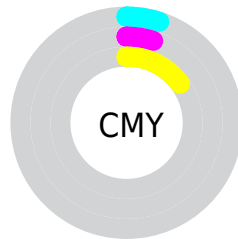


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (5%)


Magenta (5%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8945, 87.3913, 78.2502 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 80.8945, 87.3913, 78.2502 by changing the saturation by 10% instead.


 80.8945, 87.3913,
78.2502

 80.8945, 87.3913,
78.2502


486.6330,
519.5078, 508.5665

 60.7657, 65.8191,
57.7619


133.5666,
143.7094, 132.6918

 44.2879, 48.1255,
41.2038


166.8405,
179.2241, 167.4822

 31.0958, 33.9263,
28.1575


205.2269,
220.1551, 207.8771

 20.8240, 22.8370,
18.2043

249.0911,
266.8867, 254.2948

 13.1071, 14.4732,
10.9258

298.7985,
319.8034, 307.1541

 7.5799, 8.4505,
5.9034

354.7144,

 3.8768, 4.3845,

379.2895, 366.8735

2.7186

417.2041,
445.7296, 433.8715

■ 1.6327, 1.8909,
0.9528

■ 0.4136, 0.5429,
0.0000

■ 80.8945, 87.3913,
78.2502

■ 80.8945, 87.3913,
78.2502

■ 77.9741, 86.2258,
62.8694

■ 84.2813, 88.7491,
96.0659

■ 75.4930, 85.2332,
49.8126


■ 86.4255, 89.6069,
107.3485


■ 73.4321, 84.4087,
38.9683


■ 86.4271, 89.6078,
107.3486


■ 71.7681, 83.7429,
30.2142


■ 86.4287, 89.6086,
107.3487


 70.4755, 83.2256,
23.4157


 86.4303, 89.6094,
107.3487


 69.5257, 82.8455,
18.4228


 86.4319, 89.6103,
107.3488


 68.8862, 82.5895,
15.0637

 86.4336, 89.6111,
107.3489

 68.5180, 82.4421,
13.1333

 86.4352, 89.6119,
107.3490

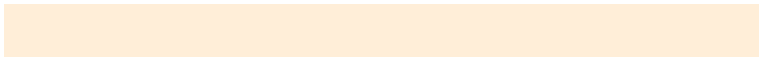
 68.3578, 82.3778,
12.2977

 86.4368, 89.6128,
107.3490

Harmonies

Analogous

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



84.3203, 87.3913, 77.6212



80.8945, 87.3913, 78.2502



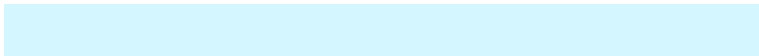
78.1241, 87.3913, 83.2201

Triad

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



80.8945, 87.3913, 78.2502



78.7839, 87.3913, 110.3305



89.7781, 87.3913, 98.7827

Complementary

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



80.8945, 87.3913, 78.2502



69.4585, 70.7905, 94.0122

Split Complementary

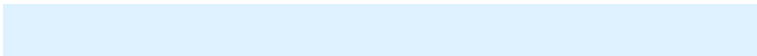
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2054, 87.3913, 108.1781



80.8945, 87.3913, 78.2502



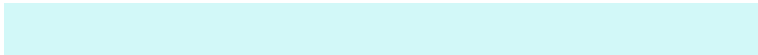
81.8179, 87.3913, 115.1467

Square

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



80.8945, 87.3913, 78.2502



76.9292, 87.3913, 101.5575



85.2695, 87.3913, 114.3327



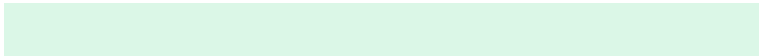
89.5141, 87.3913, 89.0260

Rectangle

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



80.8945, 87.3913, 78.2502



76.9917, 87.3913, 88.5319



85.2695, 87.3913, 114.3327



89.4450, 87.3913, 102.0990

Sweetspot

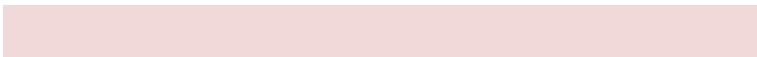
The Sweet Spot groups the original color and five complimentary colors.



80.8969, 87.3951, 78.2521



93.8420, 99.5167, 102.5418



73.9579, 73.5148, 75.9386



20.0187, 21.2737, 21.5937



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.



80.8969, 87.3951, 78.2521



90.5067, 98.1824, 84.9867



76.7527, 85.2587, 78.0581



17.1227, 18.4589, 16.8102



36.7205, 44.2516, 6.6060



3.0549, 3.6814, 0.5496

Inverse Universe

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



69.4585, 70.7905, 94.0122



75.6797, 76.6588, 105.4156



73.3154, 72.7788, 94.1927



14.8976, 15.2289, 19.8759



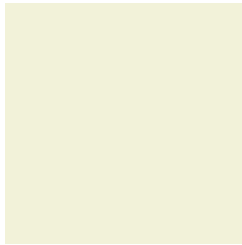
8.6103, 3.4442, 45.3389



0.7164, 0.2866, 3.7718

Previews

White Background



This preview shows how the XYZ color 80.8945, 87.3913, 78.2502 looks on a white background.

Color Contrast Check

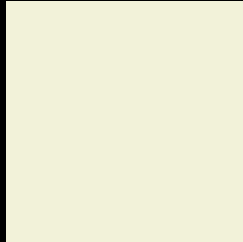
Large Text (above 18pt) WCAG AA × Fail

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 80.8945, 87.3913, 78.2502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

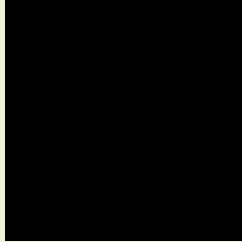
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

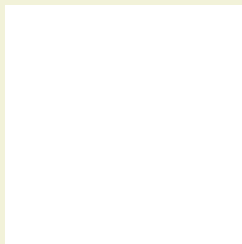
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8945, 87.3913, 78.2502

Background



This preview shows how black text looks on a background with the XYZ color 80.8945, 87.3913, 78.2502.

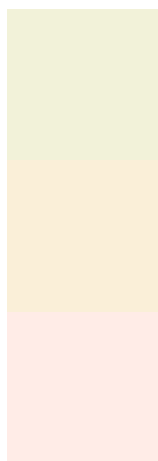


This preview shows how white text looks on a background with the XYZ color 80.8945, 87.3913,

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

80.8945, 87.3913, 78.2502

Protanopia

82.6855, 87.0149, 77.4033

Deuteranopia

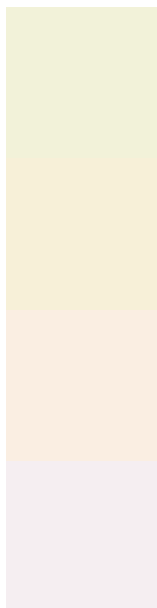
85.6593, 87.0204, 87.8832



Tritanopia

86.4032, 86.9851, 106.8436

Trichromacy



Original Color

80.8945, 87.3913, 78.2502

Protanomaly

81.9125, 87.0522, 77.4512

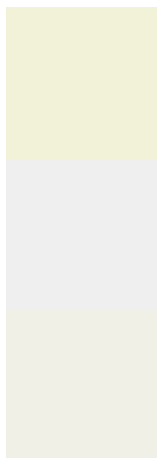
Deuteranomaly

83.7263, 86.9641, 84.3244

Tritanomaly

84.1079, 86.9124, 95.5619

Monochromacy



Original Color

80.8945, 87.3913, 78.2502

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.5191, 86.6150, 88.0231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8945, 87.3913, 78.2502 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(242, 242, 217)` looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 217)  
}
```

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(242, 242, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 217) }
```

Border

The CSS property to change the border of an element to XYZ 80.8945, 87.3913, 78.2502 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(242, 242, 217) }
```


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

```
.border{ border-color:rgb(242, 242, 217) }
```

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

Here you see how a box with a 4 pixel rgb(242, 242, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 242, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 242, 217);  
box-shadow:4px 4px 4px 4px rgb(242, 242,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8945, 87.3913, 78.2502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 242, 217) }
```

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

```
.background{ background-color: rgb(242,  
242, 217) }
```

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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