

Converting Colors

XYZ(80.5689, 85.2753, 80.4848)

Have a look what the booklet for
XYZ(80.5689, 85.2753, 80.4848)
contains.

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Color

**XYZ(80.5878, 85.4242,
80.6477)**

Conversions

Conversions Part 1

Format	Color
Hex	F3EEDD
RGB	243, 238, 221
RGB Percent	95%, 93%, 87%
CMY	0.0471, 0.0666, 0.1333
CMYK	0.00, 0.02, 0.09, 0.05
HSL	46°, 48%, 91%
HSV	46°, 9%, 95%
XYZ	80.5878, 85.4242, 80.6477
YIQ	237.5570, 8.4370, -4.2270

Conversions

Conversions Part 2

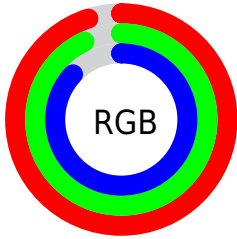
Format	Color
RYB	227, 243, 221
Decimal	15986397
CIELab	94.07, -1.18, 8.81
CIELCh	94, 8.891, 97.640
Yxy	85.4242, 0.3267, 0.3463
Android (android.graphics.Color)	4294176477 (0xFFFF3EEDD)
YUV	237.5570, -8.1626, 4.7735
Hunter-Lab	92.4252, -6.1056, 12.9628

Details

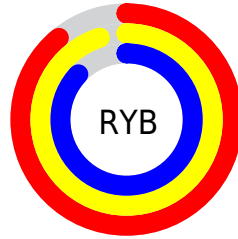
The XYZ color **80.5878, 85.4242, 80.6477** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.1927, 76.2346, 95.6519**, and the grayscale version is **80.9841, 85.2016, 92.7845**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1044, 46.7739, 42.7801** is the 20% darker color. If you saturate the color by 10%, you get **76.0007, 81.0610, 64.2849**, and if you desaturate by 10%, it is **85.6975, 90.0808, 99.4986**.

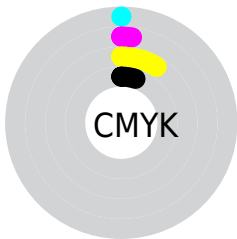
Distribution



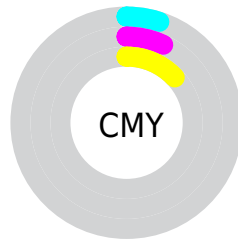
- Red (95%)
- Green (93%)
- Blue (87%)



- Red (89%)
- Yellow (95%)
- Blue (87%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (5%)




- Cyan (5%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.5878, 85.4242, 80.6477 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 80.5878, 85.4242, 80.6477 by changing the saturation by 10% instead.


 80.5878, 85.4242,
80.6477

 80.5878, 85.4242,
80.6477

485.6180,
513.0307, 516.8772

 60.5123, 64.1919,
59.7222

133.1380,
140.9657, 136.0956

 44.0827, 46.8062,
42.7709


166.3435,
176.0437, 171.4551

 30.9337, 32.8824,
29.3753


204.6562,
216.5058, 212.4629

 20.7000, 22.0364,
19.1169

248.4417,
262.7363, 259.5377

 13.0161, 13.8836,
11.5771

298.0653,
315.1197, 313.0980

 7.5167, 8.0398,
6.3374

353.8923,

 3.8365, 4.1204,

374.0402, 373.5623

2.9792

416.2881,
439.8825, 441.3492

■ 1.6100, 1.7411,
1.0840

■ 0.3989, 0.4501,
0.0000

■ 80.5878, 85.4242,
80.6477

■ 80.5878, 85.4242,
80.6477

■ 76.0007, 81.0610,
64.2849

■ 85.6975, 90.0808,
99.4986

■ 71.9086, 76.9711,
50.2992

■ 88.9009, 94.0516,
108.0759

■ 68.2921, 73.1488,
38.5788

■ 90.6318, 97.5135,
108.6529

■ 65.1274, 69.5839,
29.0014

■ 90.7725, 97.7949,
108.6998

■ 62.3887, 66.2653,
21.4327

■ 60.0470, 63.1807,
15.7231

■ 58.0695, 60.3164,
11.7022

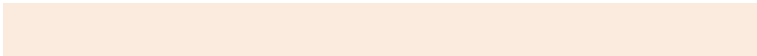
■ 56.4176, 57.6559,
9.1680

■ 55.0328, 55.1752,
7.8154

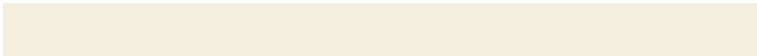
Harmonies

Analogous

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



82.9421, 85.4242, 81.4386



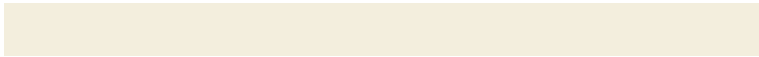
80.5878, 85.4242, 80.6477



78.4373, 85.4242, 83.0396

Triad

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



80.5878, 85.4242, 80.6477



77.6318, 85.4242, 101.2267



85.4883, 85.4242, 98.0750

Complementary

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



80.5878, 85.4242, 80.6477



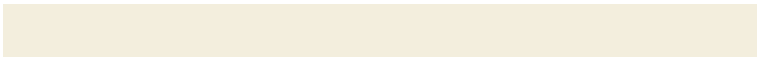
73.1927, 76.2346, 95.6519

Split Complementary

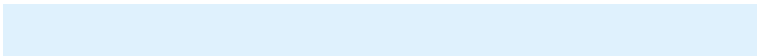
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0128, 85.4242, 103.7534



80.5878, 85.4242, 80.6477



79.4689, 85.4242, 105.6340

Square

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



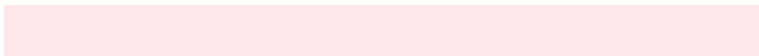
80.5878, 85.4242, 80.6477



76.7524, 85.4242, 94.7613



81.8015, 85.4242, 106.5805



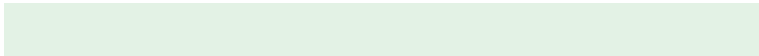
85.8019, 85.4242, 91.2853

Rectangle

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



80.5878, 85.4242, 80.6477



77.3980, 85.4242, 86.1891



81.8015, 85.4242, 106.5805



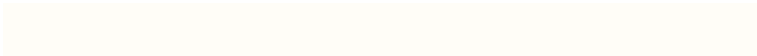
85.1103, 85.4242, 100.1867

Sweetspot

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



80.5901, 85.4279, 80.6495



93.2909, 98.4138, 102.3579



76.5654, 76.2671, 82.7342



19.8694, 20.9749, 21.5439



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.



80.5901, 85.4279, 80.6495



88.8600, 94.3268, 86.1603



80.0723, 87.3501, 81.0478



17.5769, 18.6380, 17.4687



30.2417, 30.3690, 4.2679



2.7341, 2.8214, 0.4005

Inverse Universe

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



73.1927, 76.2346, 95.6519



78.9421, 82.0014, 106.2749



73.6717, 74.4944, 95.2908



15.8864, 16.5370, 20.8972



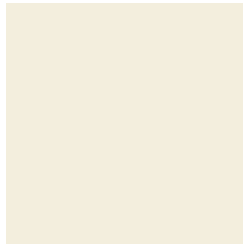
9.7164, 5.2265, 47.0347



0.9284, 0.6082, 4.1587

Previews

White Background



This preview shows how the XYZ color 80.5878, 85.4242, 80.6477 looks on a white background.

Color Contrast Check

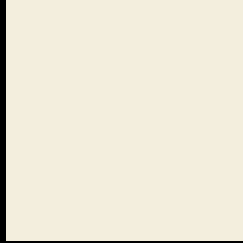
Large Text (above 18pt) WCAG AA × Fail

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 80.5878, 85.4242, 80.6477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

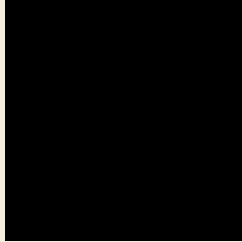
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5878, 85.4242, 80.6477

Background



This preview shows how black text looks on a background with the XYZ color 80.5878, 85.4242, 80.6477.



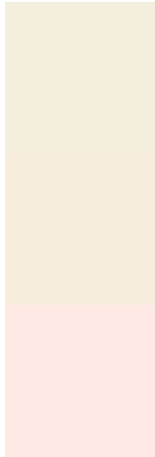
This preview shows how white text looks on a background with the XYZ color 80.5878, 85.4242,

80.6477.

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

80.5878, 85.4242, 80.6477

Protanopia

81.2085, 85.3285, 79.9000

Deuteranopia

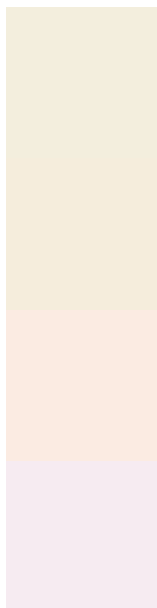
84.5218, 85.1950, 86.1182



Tritanopia

85.0674, 85.0803, 104.0341

Trichromacy



Original Color

80.5878, 85.4242, 80.6477

Protanomaly

80.8586, 85.1482, 79.8837

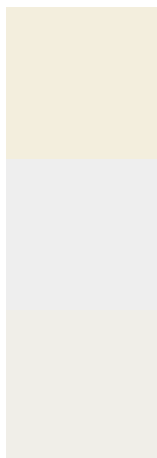
Deuteranomaly

83.2195, 85.4169, 84.0525

Tritanomaly

83.5916, 85.3604, 95.2895

Monochromacy



Original Color

80.5878, 85.4242, 80.6477

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.0752, 85.5005, 88.5741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5878, 85.4242, 80.6477 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(243, 238, 221) looks like.

```
.text, #text, p{  
    color:rgb(243, 238, 221)  
}
```

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(243, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 238, 221) }
```

Border

The CSS property to change the border of an element to XYZ 80.5878, 85.4242, 80.6477 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(243, 238, 221) }
```


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

```
.border{ border-color:rgb(243, 238, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 238, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(243, 238,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5878, 85.4242, 80.6477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 238, 221) }
```

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

```
.background{ background-color: rgb(243,  
238, 221) }
```

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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