

Converting Colors

XYZ(80.4516, 86.8485, 78.6400)

Have a look what the booklet for
XYZ(80.4516, 86.8485, 78.6400)
contains.

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Color

**XYZ(80.3858, 86.6733,
78.8225)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F1DA
RGB	241, 241, 218
RGB Percent	95%, 95%, 85%
CMY	0.0549, 0.0549, 0.1451
CMYK	0.00, 0.00, 0.10, 0.05
HSL	60°, 45%, 90%
HSV	60°, 10%, 95%
XYZ	80.3858, 86.6733, 78.8225
YIQ	238.3780, 7.3830, -7.1530

Conversions

Conversions Part 2

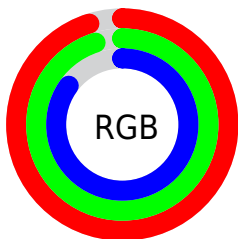
Format	Color
R _Y B	218, 241, 218
Decimal	15856090
CIE Lab	94.60, -3.88, 11.11
CIE LCh	95, 11.766, 109.249
Yxy	86.6733, 0.3269, 0.3525
Android (android.graphics.Color)	4294046170 (0xFFFF1F1DA)
YUV	238.3780, -10.0464, 2.2995
Hunter-Lab	93.0985, -8.7967, 14.9706

Details

The XYZ color **80.3858, 86.6733, 78.8225** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **69.8654, 71.4014, 93.3232**, and the grayscale version is **81.6344, 85.8857, 93.5295**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9674, 47.6566, 41.5316** is the 20% darker color. If you saturate the color by 10%, you get **77.4578, 85.5048, 63.4024**, and if you desaturate by 10%, it is **83.7772, 88.0329, 96.6616**.

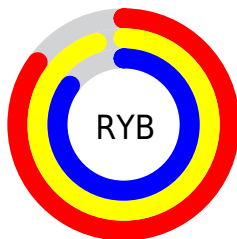
Distribution



Red (95%)

Green (95%)

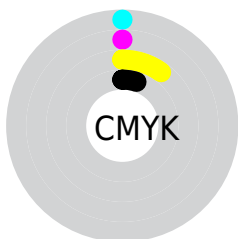
Blue (85%)



Red (85%)

Yellow (95%)

Blue (85%)

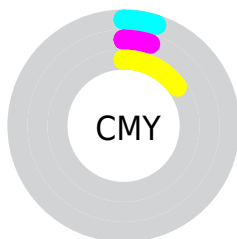


Cyan (0%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (5%)


Magenta (5%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.3858, 86.6733, 78.8225 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 80.3858, 86.6733, 78.8225 by changing the saturation by 10% instead.

 80.3858, 86.6733,
78.8225

 80.3858, 86.6733,
78.8225


484.9488,
517.1487, 510.5574

 60.3454, 65.2249,
58.2294


132.8557,
142.7087, 133.5053

 43.9477, 47.6434,
41.5772


166.0159,
178.0644, 168.4322

 30.8271, 33.5446,
28.4473

204.2802,
218.8248, 208.9741

 20.6184, 22.5440,
18.4211

248.0138,
265.3741, 255.5495

 12.9562, 14.2572,
11.0802

297.5821,
318.0967, 308.5770

 7.4752, 8.2997,
6.0060

353.3504,

 3.8100, 4.2873,

377.3771, 368.4751

2.7798

415.6842,
443.5996, 435.6624

■ 1.5952, 1.8356,
0.9834

■ 0.3893, 0.5092,
0.0000

■ 80.3858, 86.6733,
78.8225

■ 80.3858, 86.6733,
78.8225

■ 77.4578, 85.5048,
63.4024

■ 83.7772, 88.0329,
96.6616

■ 74.9664, 84.5080,
50.2919


■ 85.7865, 88.8368,
107.2335


■ 72.8929, 83.6784,
39.3816


■ 85.7882, 88.8377,
107.2336


■ 71.2142, 83.0067,
30.5510


■ 85.7899, 88.8386,
107.2337


 69.9054, 82.4830,
23.6680


 85.7916, 88.8395,
107.2338


 68.9386, 82.0961,
18.5855


 85.7934, 88.8404,
107.2339


 68.2817, 81.8331,
15.1353

 85.7951, 88.8412,
107.2339

 67.8969, 81.6790,
13.1180

 85.7968, 88.8421,
107.2340

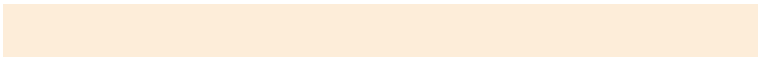
 67.7236, 81.6095,
12.2143

 85.7985, 88.8430,
107.2341

Harmonies

Analogous

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



83.5234, 86.6733, 78.2298



80.3858, 86.6733, 78.8225



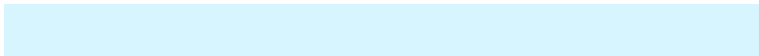
77.8455, 86.6733, 83.4226

Triad

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



80.3858, 86.6733, 78.8225



78.4626, 86.6733, 108.2342



88.5193, 86.6733, 97.6687

Complementary

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



80.3858, 86.6733, 78.8225



69.8654, 71.4014, 93.3232

Split Complementary

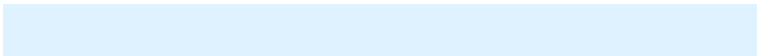
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0881, 86.6733, 106.2409



80.3858, 86.6733, 78.8225



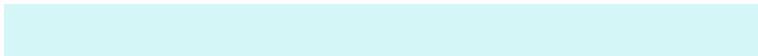
81.2478, 86.6733, 112.5959

Square

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



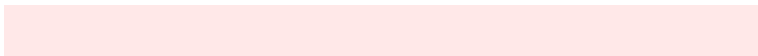
80.3858, 86.6733, 78.8225



76.7550, 86.6733, 100.2495



84.4077, 86.6733, 111.8438



88.2741, 86.6733, 88.7298

Rectangle

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



80.3858, 86.6733, 78.8225



76.8071, 86.6733, 88.3176



84.4077, 86.6733, 111.8438



88.2169, 86.6733, 100.6980

Sweetspot

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



80.3882, 86.6771, 78.8244



93.8420, 99.5167, 102.5418



74.0046, 73.9076, 76.6961



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.



80.3882, 86.6771, 78.8244



90.8561, 98.3222, 86.8263



76.5863, 84.7171, 78.6464



17.1226, 18.4589, 16.8102



36.7198, 44.2513, 6.6060



3.0549, 3.6813, 0.5496

Inverse Universe

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



69.8654, 71.4014, 93.3232



77.1700, 78.4545, 105.6837



73.4241, 73.2360, 93.4898



14.8976, 15.2289, 19.8759



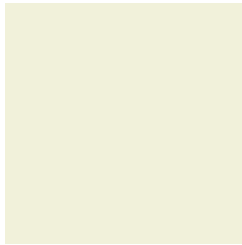
8.6103, 3.4442, 45.3389



0.7164, 0.2866, 3.7718

Previews

White Background



This preview shows how the XYZ color 80.3858, 86.6733, 78.8225 looks on a white background.

Color Contrast Check

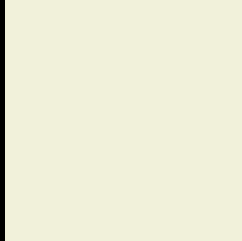
Large Text (above 18pt) WCAG AA × Fail

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 80.3858, 86.6733, 78.8225 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

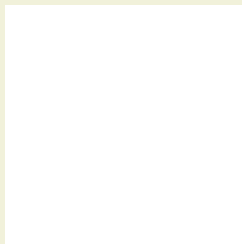
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3858, 86.6733, 78.8225

Background



This preview shows how black text looks on a background with the XYZ color 80.3858, 86.6733, 78.8225.



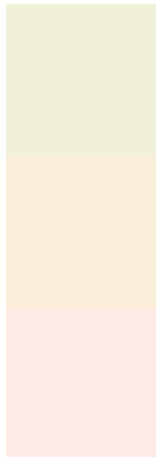
This preview shows how white text looks on a background with the XYZ color 80.3858, 86.6733,

78.8225.

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

80.3858, 86.6733, 78.8225

Protanopia

82.4578, 86.8825, 78.0696

Deuteranopia

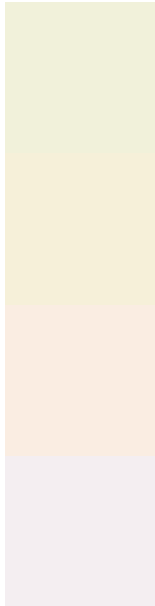
85.2313, 86.3898, 87.0456



Tritanopia

85.8909, 86.7395, 105.9814

Trichromacy



Original Color

80.3858, 86.6733, 78.8225

Protanomaly

81.6905, 86.9228, 78.1179

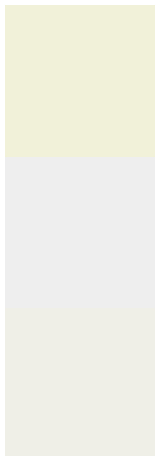
Deuteranomaly

83.4360, 86.3834, 84.2276

Tritanomaly

83.7599, 86.7330, 95.5456

Monochromacy



Original Color

80.3858, 86.6733, 78.8225

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.8869, 85.8532, 87.9094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3858, 86.6733, 78.8225 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(241, 241, 218)` looks like.

```
.text, #text, p{  
    color:rgb(241, 241, 218)  
}
```

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(241, 241, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 241, 218) }
```

Border

The CSS property to change the border of an element to XYZ 80.3858, 86.6733, 78.8225 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(241, 241, 218) }
```


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

```
.border{ border-color:rgb(241, 241, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 241, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 241, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 241, 218);  
box-shadow:4px 4px 4px 4px rgb(241, 241,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3858, 86.6733, 78.8225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 241, 218) }
```

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

```
.background{ background-color: rgb(241,  
241, 218) }
```

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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