

Converting Colors

XYZ(78.7566, 84.3632, 80.7223)

Have a look what the booklet for
XYZ(78.7566, 84.3632, 80.7223)
contains.

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Color

**XYZ(78.8856, 84.5467,
80.5680)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEEDD
RGB	238, 238, 221
RGB Percent	93%, 93%, 87%
CMY	0.0667, 0.0666, 0.1333
CMYK	0.00, 0.00, 0.07, 0.07
HSL	60°, 33%, 90%
HSV	60°, 7%, 93%
XYZ	78.8856, 84.5467, 80.5680
YIQ	236.0620, 5.4570, -5.2870

Conversions

Conversions Part 2

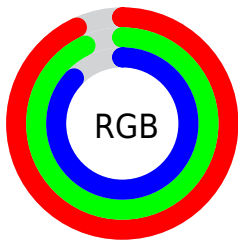
Format	Color
R _Y B	221, 238, 221
Decimal	15658717
CIE Lab	93.69, -2.91, 8.22
CIE LCh	94, 8.719, 109.481
Yxy	84.5467, 0.3233, 0.3465
Android (android.graphics.Color)	4293848797 (0xFFEEEEDD)
YUV	236.0620, -7.4256, 1.6996
Hunter-Lab	91.9493, -7.7716, 12.4133

Details

The XYZ color **78.8856, 84.5467, 80.5680** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **71.1111, 73.2603, 91.2861**, and the grayscale version is **79.8304, 83.9878, 91.4628**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9023, 46.1542, 42.7238** is the 20% darker color. If you saturate the color by 10%, you get **75.9355, 83.3692, 65.0339**, and if you desaturate by 10%, it is **82.2900, 85.9114, 98.4735**.

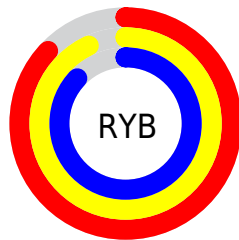
Distribution



Red (93%)

Green (93%)

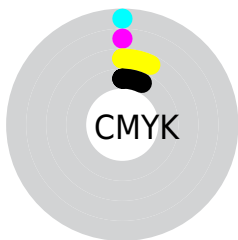
Blue (87%)



Red (87%)

Yellow (93%)

Blue (87%)

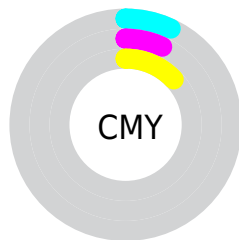


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8856, 84.5467, 80.5680 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 78.8856, 84.5467, 80.5680 by changing the saturation by 10% instead.

78.8856, 84.5467,
80.5680

78.8856, 84.5467,
80.5680

479.9632,
510.1269, 516.6021

59.1071, 63.4669,
59.6570

130.7566,
139.7397, 135.9826

42.9460, 46.2190,
42.7187

163.5797,
174.6216, 171.3233

30.0371, 32.4187,
29.3347

201.4818,
214.8731, 212.3109

20.0150, 21.6815,
19.0864

244.8281,
260.8785, 259.3640

12.5142, 13.6231,
11.5553

293.9840,
313.0222, 312.9011

7.1696, 7.8590,
6.3228

349.3150,

3.6157, 4.0048,

371.6885, 373.3408

2.9704

411.1862,
437.2620, 441.1017

■ 1.4871, 1.6763,
1.0795

■ 0.3170, 0.4082,
0.0000

■ 78.8856, 84.5467,
80.5680

■ 78.8856, 84.5467,
80.5680

■ 75.9355, 83.3692,
65.0339

■ 82.2900, 85.9114,
98.4735

■ 73.4139, 82.3603,
51.7665


■ 83.8909, 86.5521,
106.8924


■ 71.3029, 81.5156,
40.6616


■ 83.8930, 86.5532,
106.8925

■ 69.5809, 80.8266,
31.6046


■ 83.8952, 86.5543,
106.8926


 68.2240, 80.2836,
24.4705


 83.8973, 86.5554,
106.8927


 67.2059, 79.8761,
19.1205


 83.8995, 86.5565,
106.8928


 66.4967, 79.5922,
15.3973

 83.9016, 86.5576,
106.8929

 66.0614, 79.4178,
13.1160

 83.9038, 86.5587,
106.8930

 65.8544, 79.3347,
12.0374

 83.9059, 86.5598,
106.8931

Harmonies

Analogous

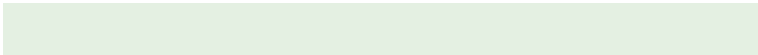
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1734, 84.5467, 80.0978



78.8856, 84.5467, 80.5680



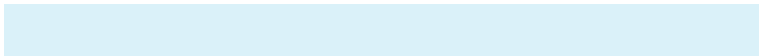
77.0267, 84.5467, 84.0303

Triad

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



78.8856, 84.5467, 80.5680



77.5052, 84.5467, 102.0789



84.8098, 84.5467, 94.4010

Complementary

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



78.8856, 84.5467, 80.5680



71.1111, 73.2603, 91.2861

Split Complementary

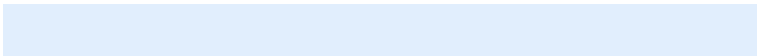
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7862, 84.5467, 100.5792



78.8856, 84.5467, 80.5680



79.5502, 84.5467, 105.1510

Square

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



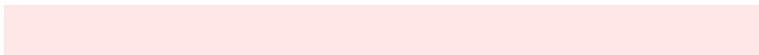
78.8856, 84.5467, 80.5680



76.2404, 84.5467, 96.3687



81.8508, 84.5467, 104.5893



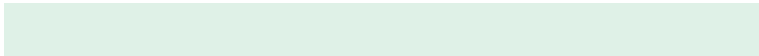
84.6235, 84.5467, 87.8759

Rectangle

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



78.8856, 84.5467, 80.5680



76.2670, 84.5467, 87.6659



81.8508, 84.5467, 104.5893



84.5950, 84.5467, 96.5923

Sweetspot

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



78.8879, 84.5504, 80.5698



94.2391, 99.6756, 104.6327



74.1701, 75.1125, 78.9968



20.1795, 21.3381, 22.4404



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.



78.8879, 84.5504, 80.5698



91.5703, 98.6079, 90.5881



76.1017, 83.1140, 80.4394



17.1225, 18.4588, 16.8102



36.7172, 44.2499, 6.6059



3.0547, 3.6813, 0.5496

Inverse Universe

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



71.1111, 73.2603, 91.2861



80.2176, 82.1266, 106.2318



73.7645, 74.6282, 91.4103



14.8977, 15.2290, 19.8759



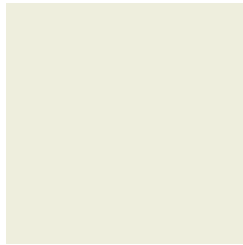
8.6105, 3.4443, 45.3389



0.7164, 0.2866, 3.7718

Previews

White Background



This preview shows how the XYZ color 78.8856, 84.5467, 80.5680 looks on a white background.

Color Contrast Check

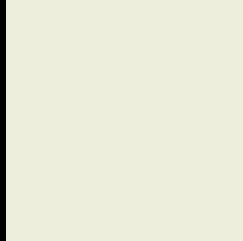
Large Text (above 18pt) WCAG AA × Fail

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 78.8856, 84.5467, 80.5680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

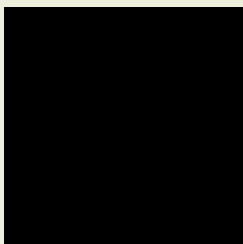
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

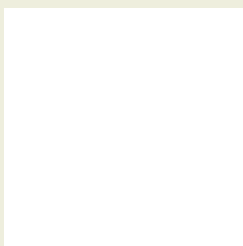
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.8856, 84.5467, 80.5680

Background



This preview shows how black text looks on a background with the XYZ color 78.8856, 84.5467, 80.5680.



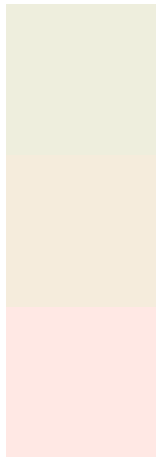
This preview shows how white text looks on a background with the XYZ color 78.8856, 84.5467,

80.5680.

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

78.8856, 84.5467, 80.5680

Protanopia

80.5699, 84.5707, 79.7874

Deuteranopia

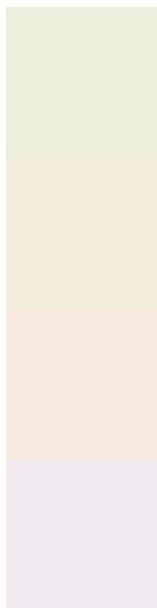
84.1002, 84.5747, 85.2908



Tritanopia

83.6717, 84.3608, 103.9687

Trichromacy



Original Color

78.8856, 84.5467, 80.5680

Protanomaly

79.8204, 84.6129, 79.8351

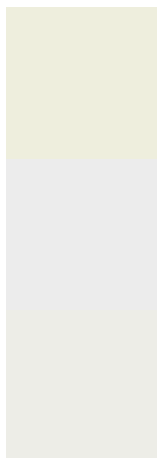
Deuteranomaly

82.0803, 84.4216, 83.2031

Tritanomaly

81.8611, 84.4683, 95.2086

Monochromacy



Original Color

78.8856, 84.5467, 80.5680

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.6330, 84.3424, 87.6839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8856, 84.5467, 80.5680 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(238, 238, 221) looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 238, 221) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 78.8856, 84.5467, 80.5680 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(238, 238, 221) }
```


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

```
.border{ border-color:rgb(238, 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(238, 238, 221)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 78.8856, 84.5467, 80.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(238,  
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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