

Converting Colors

XYZ(78.5434, 83.9051, 81.5971)

Have a look what the booklet for
XYZ(78.5434, 83.9051, 81.5971)
contains.

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Color

**XYZ(78.5285, 83.9006,
81.8676)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEDDF
RGB	237, 237, 223
RGB Percent	93%, 93%, 87%
CMY	0.0706, 0.0706, 0.1255
CMYK	0.00, 0.00, 0.06, 0.07
HSL	60°, 28%, 90%
HSV	60°, 6%, 93%
XYZ	78.5285, 83.9006, 81.8676
YIQ	235.4040, 4.4940, -4.3540

Conversions

Conversions Part 2

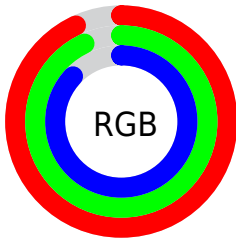
Format	Color
R _Y B	223, 237, 223
Decimal	15592927
CIE Lab	93.41, -2.41, 6.77
CIE LCh	93, 7.185, 109.600
Yxy	83.9006, 0.3214, 0.3434
Android (android.graphics.Color)	4293783007 (0xFFEDEDFF)
YUV	235.4040, -6.1152, 1.3997
Hunter-Lab	91.5973, -7.2630, 11.1260

Details

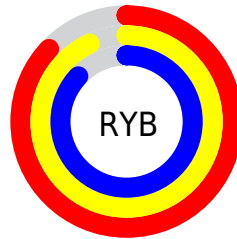
The XYZ color **78.5285, 83.9006, 81.8676** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.1084, 74.5801, 90.7200**, and the grayscale version is **79.3182, 83.4489, 90.8759**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6478, 45.6987, 43.6187** is the 20% darker color. If you saturate the color by 10%, you get **75.5525, 82.7126, 66.1995**, and if you desaturate by 10%, it is **81.9565, 85.2748, 99.8952**.

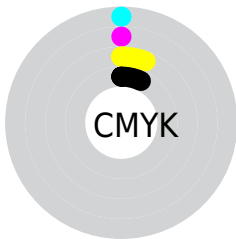
Distribution



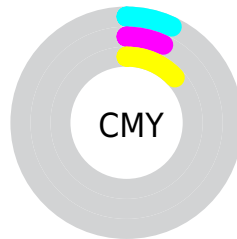
- Red (93%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (87%)



- Cyan (0%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5285, 83.9006, 81.8676 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 78.5285, 83.9006, 81.8676 by changing the saturation by 10% instead.

78.5285, 83.9006,
81.8676

78.5285, 83.9006,
81.8676

478.7722,
507.9831, 521.0765

58.8125, 62.9334,
60.7212

130.2563,
138.8361, 137.8233

42.7080, 45.7873,
43.5711

162.9988,
173.5732, 173.4698

29.8496, 32.0780,
29.9988

200.8143,
213.6690, 214.7867

19.8720, 21.4211,
19.5856

244.0679,
259.5080, 262.1925

12.4097, 13.4322,
11.9131

293.1252,
311.4745, 316.1059

7.0975, 7.7268,
6.5627

348.3514,

3.5701, 3.9206,

369.9529, 376.9453

3.1159

410.1120,
435.3276, 445.1294

■ 1.4619, 1.6293,
1.1541

■ 0.2997, 0.3772,
0.0000

■ 78.5285, 83.9006,
81.8676

■ 78.5285, 83.9006,
81.8676

■ 75.5525, 82.7126,
66.1995

■ 81.9565, 85.2748,
99.8952

■ 73.0031, 81.6926,
52.7880

■ 83.2665, 85.7991,
106.7800

■ 70.8628, 80.8361,
41.5309

■ 83.2691, 85.8004,
106.7801

■ 69.1103, 80.1349,
32.3161

■ 83.2717, 85.8018,
106.7803

67.7224, 79.5794,
25.0210

83.2743, 85.8031,
106.7804

66.6734, 79.1595,
19.5102

83.2769, 85.8045,
106.7805

65.9341, 78.8635,
15.6308

83.2795, 85.8058,
106.7806

65.4707, 78.6778,
13.2038

83.2821, 85.8071,
106.7807

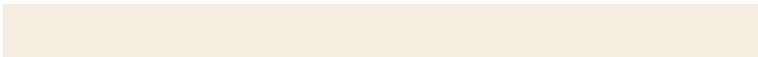
65.2411, 78.5856,
12.0084

83.2847, 85.8085,
106.7809

Harmonies

Analogous

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



80.4049, 83.9006, 81.4655



78.5285, 83.9006, 81.8676



77.0012, 83.9006, 84.7531

Triad

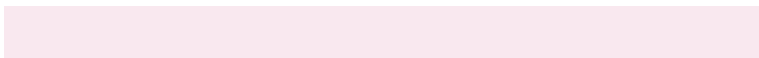
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5285, 83.9006, 81.8676



77.4057, 83.9006, 99.5363



83.3843, 83.9006, 93.2511

Complementary

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



78.5285, 83.9006, 81.8676



72.1084, 74.5801, 90.7200

Split Complementary

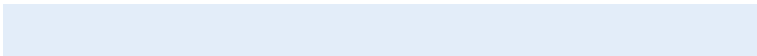
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5532, 83.9006, 98.2880



78.5285, 83.9006, 81.8676



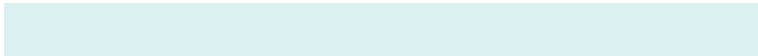
79.0888, 83.9006, 102.0109

Square

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



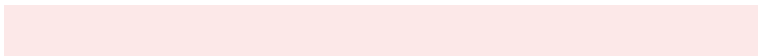
78.5285, 83.9006, 81.8676



76.3601, 83.9006, 94.9003



80.9740, 83.9006, 101.5452



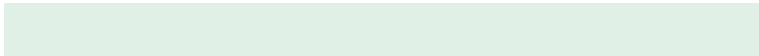
83.2285, 83.9006, 87.8962

Rectangle

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



78.5285, 83.9006, 81.8676



76.3770, 83.9006, 87.7626



80.9740, 83.9006, 101.5452



83.2105, 83.9006, 95.0410

Sweetspot

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



78.5308, 83.9042, 81.8694



94.2390, 99.6755, 104.6327



74.6346, 76.1096, 80.5703



20.1795, 21.3381, 22.4404



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

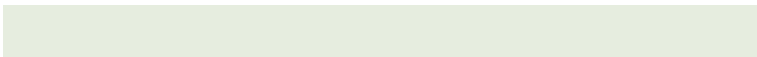
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5308, 83.9042, 81.8694



92.3058, 98.9021, 94.4607



76.2397, 82.7231, 81.7622



16.4747, 17.6760, 16.7074



35.5879, 42.8907, 6.4031



2.7947, 3.3680, 0.5028

Inverse Universe

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



72.1084, 74.5801, 90.7200



83.3548, 85.9066, 106.7961



74.3094, 75.7147, 90.8230



14.7568, 15.1819, 19.0749



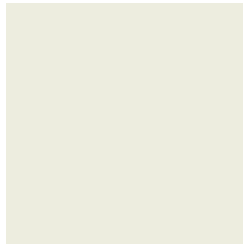
8.3464, 3.3386, 43.9475



0.6556, 0.2622, 3.4509

Previews

White Background



This preview shows how the XYZ color 78.5285, 83.9006, 81.8676 looks on a white background.

Color Contrast Check

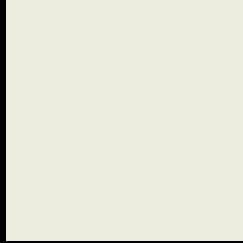
Large Text (above 18pt) WCAG AA × Fail

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 78.5285, 83.9006, 81.8676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

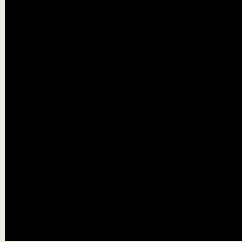
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

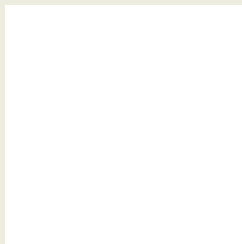
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5285, 83.9006, 81.8676

Background



This preview shows how black text looks on a background with the XYZ color 78.5285, 83.9006, 81.8676.



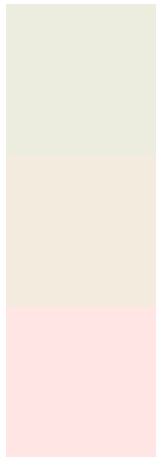
This preview shows how white text looks on a background with the XYZ color 78.5285, 83.9006,

81.8676.

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

78.5285, 83.9006, 81.8676

Protanopia

79.8553, 83.7453, 81.0629

Deuteranopia

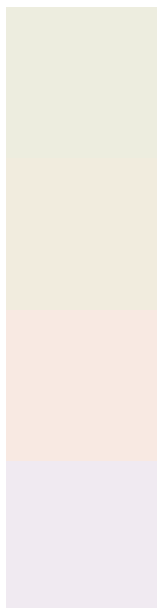
83.5404, 83.4551, 85.1042



Tritanopia

82.8271, 83.9436, 103.1041

Trichromacy



Original Color

78.5285, 83.9006, 81.8676

Protanomaly

79.4559, 83.9656, 81.1264

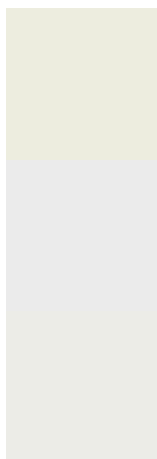
Deuteranomaly

81.5778, 83.7253, 83.8125

Tritanomaly

81.2352, 83.7218, 95.0975

Monochromacy



Original Color

78.5285, 83.9006, 81.8676

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.0113, 83.5933, 87.5721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5285, 83.9006, 81.8676 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(237, 237, 223)` looks like.

```
.text, #text, p{  
    color:rgb(237, 237, 223)  
}
```

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(237, 237, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 237, 223) }
```

Border

The CSS property to change the border of an element to XYZ 78.5285, 83.9006, 81.8676 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(237, 237, 223) }
```


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

```
.border{ border-color:rgb(237, 237, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 237, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 237, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 237, 223);  
box-shadow:4px 4px 4px 4px rgb(237, 237,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5285, 83.9006, 81.8676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 237, 223) }
```

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

```
.background{ background-color: rgb(237,  
237, 223) }
```

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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