

Converting Colors

XYZ(81.7505, 85.5827, 88.9720)

Have a look what the booklet for
XYZ(81.7505, 85.5827, 88.9720)
contains.

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Color

**XYZ(81.6101, 85.3288,
89.2596)**

Conversions

Conversions Part 1

Format	Color
Hex	F2EDE9
RGB	242, 237, 233
RGB Percent	95%, 93%, 91%
CMY	0.0510, 0.0706, 0.0863
CMYK	0.00, 0.02, 0.04, 0.05
HSL	27°, 26%, 93%
HSV	27°, 4%, 95%
XYZ	81.6101, 85.3288, 89.2596
YIQ	238.0390, 4.2640, -0.1840

Conversions

Conversions Part 2

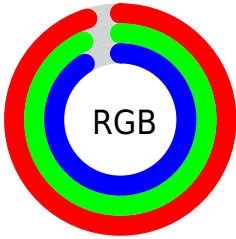
Format	Color
R _Y B	242, 240, 233
Decimal	15920617
CIE Lab	94.02, 0.99, 2.52
CIE LCh	94, 2.703, 68.578
Yxy	85.3288, 0.3185, 0.3331
Android (android.graphics.Color)	4294110697 (0xFFF2EDE9)
YUV	238.0390, -2.4842, 3.4738
Hunter-Lab	92.3736, -3.9528, 7.3702

Details

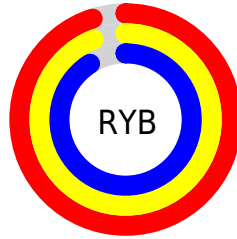
The XYZ color **81.6101, 85.3288, 89.2596** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.2058, 84.8823, 96.1621**, and the grayscale version is **81.3166, 85.5514, 93.1655**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7094, 46.6612, 48.2450** is the 20% darker color. If you saturate the color by 10%, you get **74.6434, 76.5530, 71.0350**, and if you desaturate by 10%, it is **88.9906, 94.7418, 108.2044**.

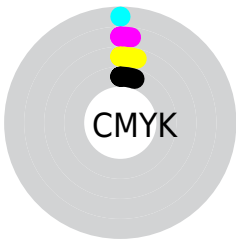
Distribution



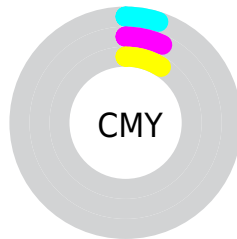
- Red (95%)
- Green (93%)
- Blue (91%)



- Red (95%)
- Yellow (94%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6101, 85.3288, 89.2596 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 81.6101, 85.3288, 89.2596 by changing the saturation by 10% instead.

81.6101, 85.3288,
89.2596

81.6101, 85.3288,
89.2596

488.9969,
512.7154, 546.1272

61.3572, 64.1131,
66.7965

134.5658,
140.8325, 148.2360

44.7671, 46.7423,
48.4587

167.9993,
175.8892, 185.5864

31.4746, 32.8320,
33.8277

206.5570,
216.3284, 228.7363

21.1141, 21.9978,
22.4850

250.6043,
262.5345, 278.1043

13.3203, 13.8552,
14.0120

300.5067,
314.8919, 334.1088

7.7280, 8.0201,
7.9901

356.6293,

3.9717, 4.1078,

373.7849, 397.1684

4.0010

419.3375,
439.5979, 467.7017

■ 1.6862, 1.7340,
1.6259

■ 0.4476, 0.4456,
0.3092

■ 81.6101, 85.3288,
89.2596

■ 81.6101, 85.3288,
89.2596

■ 74.6434, 76.5530,
71.0350

■ 88.9906, 94.7418,
108.2044

■ 68.4144, 68.5256,
55.2996

■ 90.4284, 97.6175,
108.6837

■ 62.8984, 61.2290,
41.9453

■ 58.0666, 54.6407,
30.8538

■ 53.8879, 48.7370,
21.8965

■ 50.3285, 43.4926,
14.9316

■ 47.3511, 38.8803,
9.8001

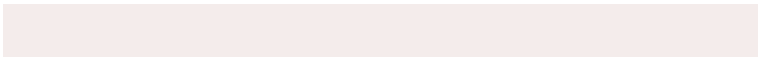
■ 44.9130, 34.8701,
6.3179

■ 42.9639, 31.4282,
4.2613

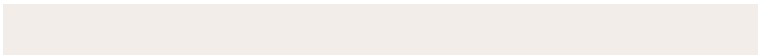
Harmonies

Analogous

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



82.1916, 85.3288, 90.4535



81.6101, 85.3288, 89.2596



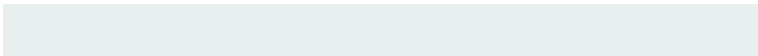
80.8958, 85.3288, 89.0359

Triad

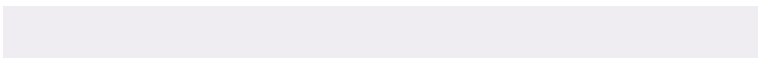
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6101, 85.3288, 89.2596



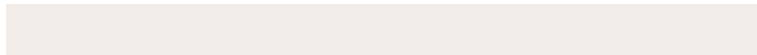
79.7387, 85.3288, 93.5023



81.9704, 85.3288, 96.0486

Complementary

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



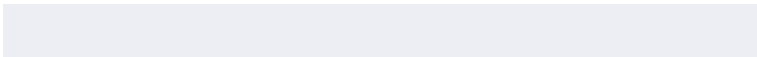
81.6101, 85.3288, 89.2596



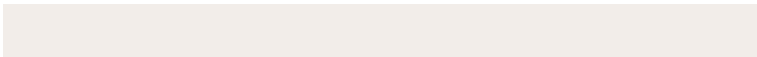
80.2058, 84.8823, 96.1621

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.



81.3095, 85.3288, 96.8920



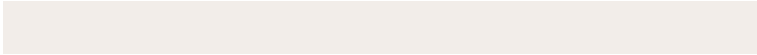
81.6101, 85.3288, 89.2596



80.0230, 85.3288, 95.4076

Square

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



81.6101, 85.3288, 89.2596



79.8181, 85.3288, 91.4653



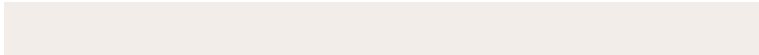
80.5969, 85.3288, 96.6556



82.4005, 85.3288, 94.3669

Rectangle

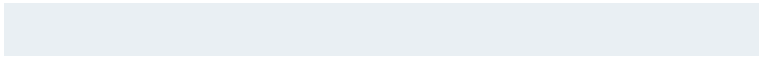
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



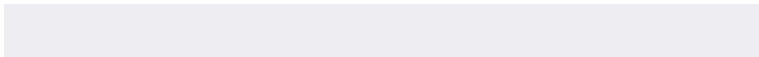
81.6101, 85.3288, 89.2596



80.4408, 85.3288, 89.4637



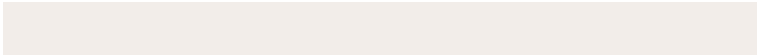
80.5969, 85.3288, 96.6556



81.7677, 85.3288, 96.4407

Sweetspot

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



81.6125, 85.3325, 89.2614



94.1922, 98.9370, 106.6021



81.2053, 83.3353, 92.7725



20.1701, 21.1878, 22.8415



0.0000, 0.0000, 0.0000



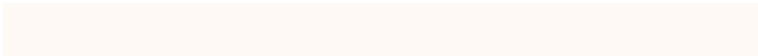
20.3446, 21.4041, 23.3091

Same Dimension

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



81.6125, 85.3325, 89.2614



91.6712, 95.8010, 99.8860



82.9009, 87.9092, 89.6909



17.0600, 17.8059, 18.4148



22.6652, 16.1285, 1.9185



1.9833, 1.5372, 0.1922

Inverse Universe

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



80.2058, 84.8823, 96.1621



89.9657, 95.2551, 108.2521



78.9416, 82.3539, 95.7407



16.6847, 17.6857, 20.2559



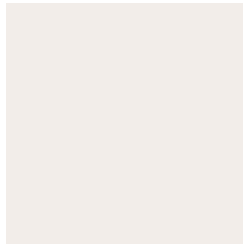
13.3527, 12.9296, 46.9198



1.2099, 1.2738, 3.9363

Previews

White Background



This preview shows how the XYZ color 81.6101, 85.3288, 89.2596 looks on a white background.

Color Contrast Check

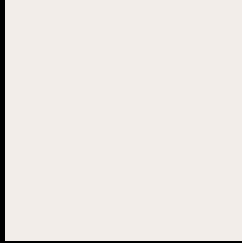
Large Text (above 18pt) WCAG AA × Fail

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 81.6101, 85.3288, 89.2596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

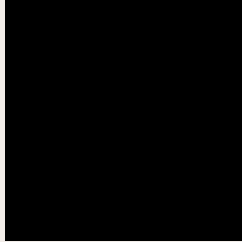
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

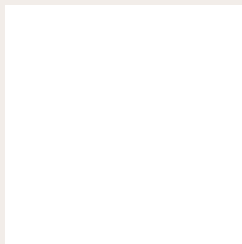
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.6101, 85.3288, 89.2596

Background



This preview shows how black text looks on a background with the XYZ color 81.6101, 85.3288, 89.2596.



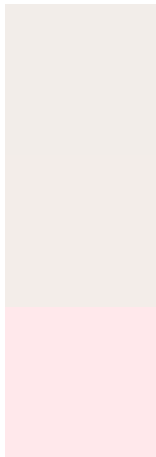
This preview shows how white text looks on a background with the XYZ color 81.6101, 85.3288,

89.2596.

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

81.6101, 85.3288, 89.2596

Protanopia

81.9543, 85.5063, 89.2757

Deuteranopia

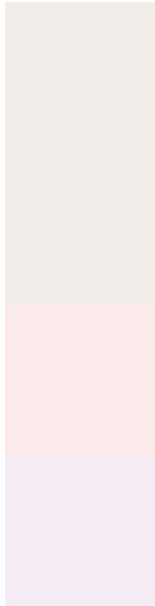
85.0920, 84.9714, 90.5135



Tritanopia

84.6497, 85.2864, 104.0959

Trichromacy



Original Color

81.6101, 85.3288, 89.2596

Protanomaly

81.9543, 85.5063, 89.2757

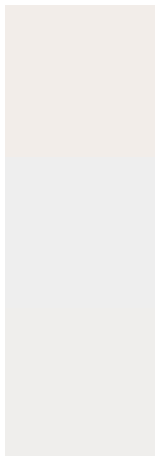
Deuteranomaly

83.6984, 85.1101, 89.8584

Tritanomaly

83.4980, 85.2423, 98.4388

Monochromacy



Original Color

81.6101, 85.3288, 89.2596

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.3115, 85.5559, 91.5853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6101, 85.3288, 89.2596 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, 237, 233) looks like.

```
.text, #text, p{  
    color:rgb(242, 237, 233)  
}
```

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, 237, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 237, 233) }
```

Border

The CSS property to change the border of an element to XYZ 81.6101, 85.3288, 89.2596 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, 237, 233) }
```


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

```
.border{ border-color:rgb(242, 237, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 237, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 237, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 237, 233);  
box-shadow:4px 4px 4px 4px rgb(242, 237,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6101, 85.3288, 89.2596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 237, 233) }
```

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

```
.background{ background-color: rgb(242,  
237, 233) }
```

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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