

Converting Colors

XYZ(81.9325, 85.4600, 99.5779)

Have a look what the booklet for
XYZ(81.9325, 85.4600, 99.5779)
contains.

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Color

**XYZ(81.8438, 85.2267,
99.3255)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEDF6
RGB	237, 237, 246
RGB Percent	93%, 93%, 96%
CMY	0.0706, 0.0706, 0.0353
CMYK	0.04, 0.04, 0.00, 0.04
HSL	240°, 33%, 95%
HSV	240°, 4%, 96%
XYZ	81.8438, 85.2267, 99.3255
YIQ	238.0260, -2.8890, 2.7990

Conversions

Conversions Part 2

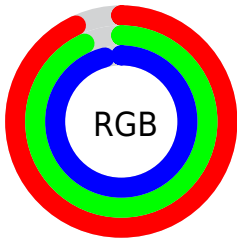
Format	Color
R _Y B	237, 237, 246
Decimal	15592950
CIE Lab	93.98, 1.63, -4.35
CIE LCh	94, 4.642, 290.556
Yxy	85.2267, 0.3072, 0.3199
Android (android.graphics.Color)	4293783030 (0xFFEDEF6)
YUV	238.0260, 3.9312, -0.8998
Hunter-Lab	92.3183, -3.3098, 0.8326

Details

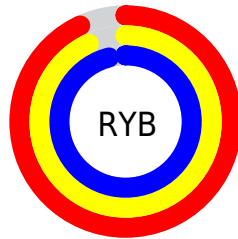
The XYZ color **81.8438, 85.2267, 99.3255** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.2480, 91.6179, 93.2605**, and the grayscale version is **81.2624, 85.4944, 93.1034**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8742, 46.5892, 55.3427** is the 20% darker color. If you saturate the color by 10%, you get **67.5496, 68.0056, 96.7562**, and if you desaturate by 10%, it is **93.6348, 99.4339, 101.4476**.

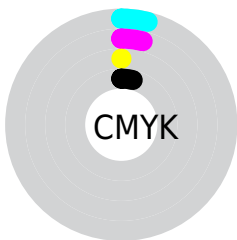
Distribution



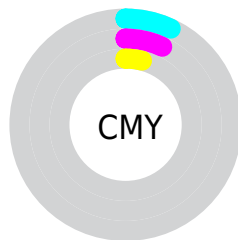
- Red (93%)
- Green (93%)
- Blue (96%)



- Red (93%)
- Yellow (93%)
- Blue (96%)



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



- Cyan (7%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.8438, 85.2267, 99.3255 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 81.8438, 85.2267, 99.3255 by changing the saturation by 10% instead.

81.8438, 85.2267,
99.3255

81.8438, 85.2267,
99.3255

489.7675,
512.3779, 579.2562

61.5505, 64.0287,
75.1236

134.8919,
140.6899, 162.2737

44.9238, 46.6739,
55.2118

168.3774,
175.7238, 201.8572

31.5984, 32.7780,
39.1716

206.9909,
216.1386, 247.4049

21.2090, 21.9564,
26.5844

251.0979,
262.3185, 299.3354

13.3902, 13.8249,
17.0317

301.0637,
314.6480, 358.0672

7.7766, 7.9990,
10.0949

357.2537,

4.0030, 4.0943,

373.5115, 424.0189

5.3555

420.0332,
439.2933, 497.6091

■ 1.7038, 1.7264,
2.3949

■ 0.4586, 0.4407,
0.7837

■ 81.8438, 85.2267,
99.3255

■ 81.8438, 85.2267,
99.3255

■ 67.5496, 68.0056,
96.7562

■ 93.6348, 99.4339,
101.4476

■ 55.2709, 53.2119,
94.5479

■ 44.9193, 40.7396,
92.6861

■ 36.3971, 30.4712,
91.1532

■ 29.5978, 22.2783,
89.9302

■ 24.4043, 16.0200,
88.9959

■ 20.6847, 11.5371,
88.3267

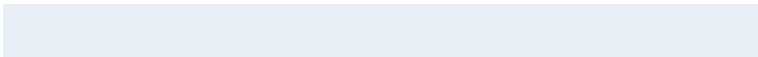
■ 18.2861, 8.6459,
87.8951

■ 17.0225, 7.1222,
87.6676

Harmonies

Analogous

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



80.6156, 85.2267, 99.6833



81.8438, 85.2267, 99.3255



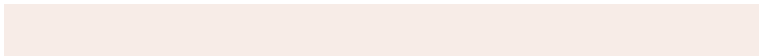
82.8569, 85.2267, 97.1945

Triad

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



81.8438, 85.2267, 99.3255



82.5266, 85.2267, 87.6336



78.6808, 85.2267, 91.6837

Complementary

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



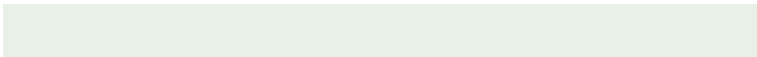
81.8438, 85.2267, 99.3255



86.2480, 91.6179, 93.2605

Split Complementary

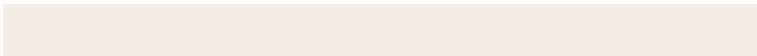
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.1817, 85.2267, 88.5349



81.8438, 85.2267, 99.3255



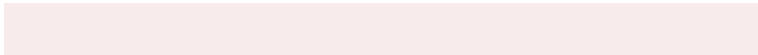
81.3965, 85.2267, 86.2361

Square

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



81.8438, 85.2267, 99.3255



83.2539, 85.2267, 90.4251



80.1728, 85.2267, 86.5618



78.7978, 85.2267, 95.2108

Rectangle

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



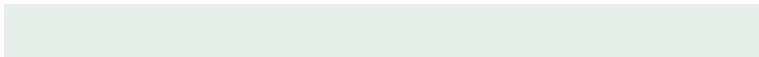
81.8438, 85.2267, 99.3255



83.2700, 85.2267, 95.0844



80.1728, 85.2267, 86.5618



78.7823, 85.2267, 90.5474

Sweetspot

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



81.8463, 85.2303, 99.3274



93.3103, 97.9040, 108.5871



84.4937, 90.5620, 100.0963



19.9906, 20.9776, 23.2454



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.



81.8463, 85.2303, 99.3274



88.2296, 91.7829, 107.6734



83.3153, 85.9861, 99.3958



17.0554, 17.7033, 21.0607



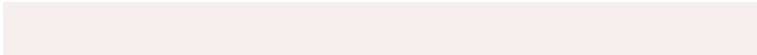
8.8797, 3.5532, 46.7558



0.7806, 0.3127, 4.1094

Inverse Universe

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



83.5782, 86.2773, 92.3731



90.2835, 93.0245, 99.4266



84.7411, 90.8427, 93.1903



17.5294, 17.9898, 19.1578



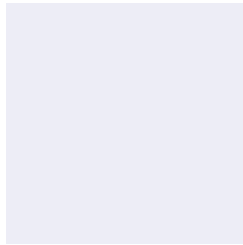
20.2866, 10.4581, 0.9516



1.7831, 0.9192, 0.0841

Previews

White Background



This preview shows how the XYZ color 81.8438, 85.2267, 99.3255 looks on a white background.

Color Contrast Check

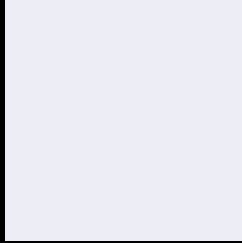
Large Text (above 18pt) WCAG AA × Fail

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 81.8438, 85.2267, 99.3255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

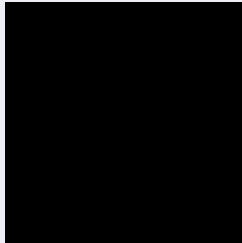
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

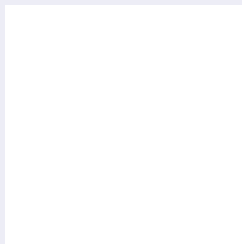
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.8438, 85.2267, 99.3255

Background



This preview shows how black text looks on a background with the XYZ color 81.8438, 85.2267, 99.3255.



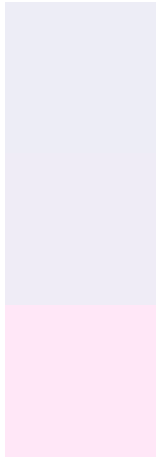
This preview shows how white text looks on a background with the XYZ color 81.8438, 85.2267,

99.3255.

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

81.8438, 85.2267, 99.3255

Protanopia

82.2266, 84.9954, 99.2607

Deuteranopia

86.6044, 85.1272, 99.8623



Tritanopia

83.1447, 85.3238, 105.8529

Trichromacy



Original Color

81.8438, 85.2267, 99.3255

Protanomaly

81.8899, 84.8219, 99.2450

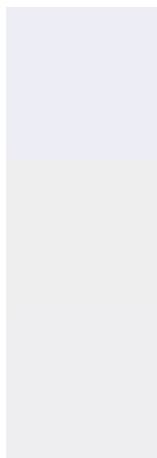
Deuteranomaly

84.6388, 84.9497, 99.9317

Tritanomaly

82.6679, 85.1331, 103.3420

Monochromacy



Original Color

81.8438, 85.2267, 99.3255

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.7116, 85.6771, 95.4498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8438, 85.2267, 99.3255 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(237, 237, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 237, 246) }
```

Border

The CSS property to change the border of an element to XYZ 81.8438, 85.2267, 99.3255 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, 246) }
```


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

```
.border{ border-color:rgb(237, 237, 246) }
```

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, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 237, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 237, 246);  
box-shadow:4px 4px 4px 4px rgb(237, 237,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8438, 85.2267, 99.3255 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, 246) }
```

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

```
.background{ background-color: rgb(237,  
237, 246) }
```

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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