

Converting Colors

XYZ(81.6705, 83.8914,
100.5304)

Have a look what the booklet for
XYZ(81.6705, 83.8914, 100.5304)
contains.

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Color

**XYZ(81.6260, 83.8001,
100.6798)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEEAF8
RGB	238, 234, 248
RGB Percent	93%, 92%, 97%
CMY	0.0667, 0.0823, 0.0274
CMYK	0.04, 0.06, 0.00, 0.03
HSL	257°, 50%, 95%
HSV	257°, 6%, 97%
XYZ	81.6260, 83.8001, 100.6798
YIQ	236.7920, -2.1100, 5.2020

Conversions

Conversions Part 2

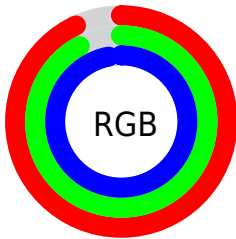
Format	Color
R _Y B	238, 234, 248
Decimal	15657720
CIE Lab	93.36, 3.87, -6.29
CIE LCh	93, 7.382, 301.595
Yxy	83.8001, 0.3067, 0.3149
Android (android.graphics.Color)	4293847800 (0xFFEEEEAF8)
YUV	236.7920, 5.5255, 1.0594
Hunter-Lab	91.5424, -1.0353, -1.1284

Details

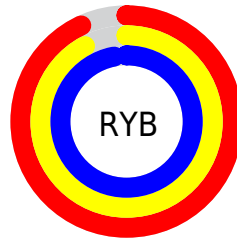
The XYZ color **81.6260, 83.8001, 100.6798** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.7300, 92.3106, 91.1454**, and the grayscale version is **80.2984, 84.4802, 91.9989**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7262, 45.5916, 56.3119** is the 20% darker color. If you saturate the color by 10%, you get **69.3953, 67.7390, 98.2256**, and if you desaturate by 10%, it is **93.9435, 99.5574, 103.0733**.

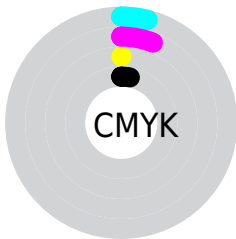
Distribution



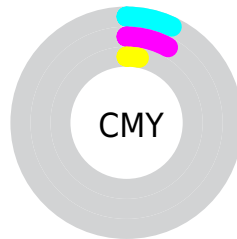
- Red (93%)
- Green (92%)
- Blue (97%)



- Red (93%)
- Yellow (92%)
- Blue (97%)



- Cyan (4%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (7%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6260, 83.8001, 100.6798 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 81.6260, 83.8001, 100.6798 by changing the saturation by 10% instead.

81.6260, 83.8001,
100.6798

81.6260, 83.8001,
100.6798

489.0493,
507.6492, 583.6353

61.3704, 62.8504,
76.2483

134.5880,
138.6955, 164.1511

44.7778, 45.7202,
56.1283

168.0250,
173.4100, 204.0280

31.4830, 32.0251,
39.9011

206.5865,
213.4816, 249.8905

21.1205, 21.3807,
27.1482

250.6379,
259.2946, 302.1571

13.3251, 13.4025,
17.4512

300.5446,
311.2335, 361.2463

7.7313, 7.7063,
10.3913

356.6718,

3.9739, 3.9076,

369.6826, 427.5767

5.5502

419.3849,
435.0264, 501.5669

■ 1.6874, 1.6220,
2.5092

■ 0.4483, 0.3724,
0.8450

■ 81.6260, 83.8001,
100.6798

■ 81.6260, 83.8001,
100.6798

■ 69.3953, 67.7390,
98.2256

■ 93.9435, 99.5574,
103.0733

■ 58.6783, 53.8624,
96.1120

■ 49.4162, 42.0773,
94.3254

■ 41.5433, 32.2802,
92.8493

■ 34.9888, 24.3582,
91.6657

■ 29.6751, 18.1871,
90.7546

■ 25.5160, 13.6270,
90.0936

■ 22.4127, 10.5157,
89.6566

■ 20.2465, 8.6545,
89.4116

Harmonies

Analogous

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



79.7537, 83.8001, 102.3810



81.6260, 83.8001, 100.6798



82.9864, 83.8001, 96.4374

Triad

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



81.6260, 83.8001, 100.6798



81.4428, 83.8001, 82.1387



75.9673, 83.8001, 91.5426

Complementary

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



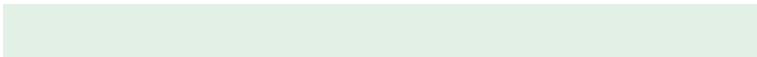
81.6260, 83.8001, 100.6798



85.7300, 92.3106, 91.1454

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.



76.4032, 83.8001, 86.2406



81.6260, 83.8001, 100.6798



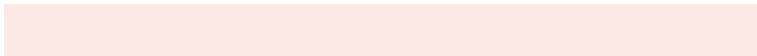
79.5454, 83.8001, 80.9455

Square

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



81.6260, 83.8001, 100.6798



82.8794, 83.8001, 85.7440



77.7051, 83.8001, 82.4171



76.5046, 83.8001, 96.9744

Rectangle

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



81.6260, 83.8001, 100.6798



83.4088, 83.8001, 92.8195



77.7051, 83.8001, 82.4171



76.0049, 83.8001, 89.6866

Sweetspot

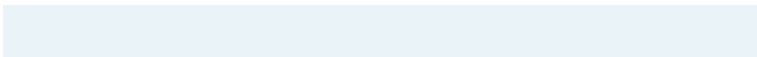
The Sweet Spot groups the original color and five complimentary colors.



81.6284, 83.8037, 100.6816



92.1167, 96.1045, 108.3027



83.2386, 88.9938, 101.5986



19.7475, 20.6111, 23.1875



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.



81.6284, 83.8037, 100.6816



85.0803, 86.7962, 106.8769



84.0133, 85.0331, 100.7932



17.2692, 17.5685, 21.8662



10.6676, 4.4420, 48.2687



1.0874, 0.4627, 4.4752

Inverse Universe

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



84.4663, 85.3375, 97.6121



88.8078, 88.8113, 102.8246



83.3577, 91.0877, 91.0344



18.0944, 18.0147, 20.9670



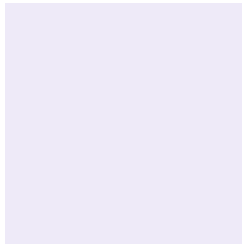
25.2725, 12.5247, 23.9410



2.3863, 1.1783, 2.4576

Previews

White Background



This preview shows how the XYZ color 81.6260, 83.8001, 100.6798 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 81.6260, 83.8001, 100.6798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

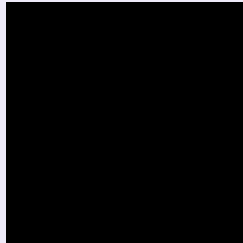
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

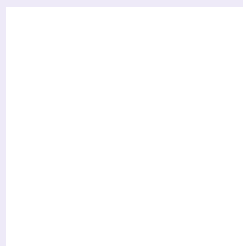
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.6260, 83.8001, 100.6798

Background



This preview shows how black text looks on a background with the XYZ color 81.6260, 83.8001, 100.6798.



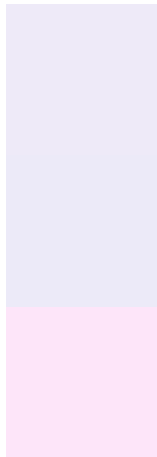
This preview shows how white text looks on a background with the XYZ color 81.6260, 83.8001,

100.6798.

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

81.6260, 83.8001, 100.6798

Protanopia

80.9582, 83.4558, 100.6486

Deuteranopia

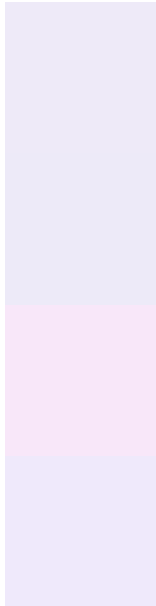
85.6262, 83.7608, 101.2770



Tritanopia

82.3062, 83.6568, 103.9048

Trichromacy



Original Color

81.6260, 83.8001, 100.6798

Protanomaly

81.2911, 83.6275, 100.6642

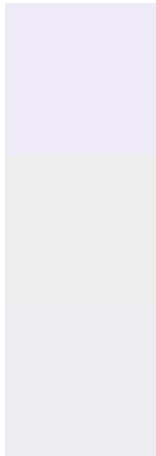
Deuteranomaly

84.3862, 83.9478, 101.3785

Tritanomaly

82.1481, 83.5936, 103.0723

Monochromacy



Original Color

81.6260, 83.8001, 100.6798

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.7977, 84.3463, 95.2411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6260, 83.8001, 100.6798 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, 234, 248)` looks like.

```
.text, #text, p{  
    color:rgb(238, 234, 248)  
}
```

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, 234, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 234, 248) }
```

Border

The CSS property to change the border of an element to XYZ 81.6260, 83.8001, 100.6798 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, 234, 248) }
```


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

```
.border{ border-color:rgb(238, 234, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 234, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 234, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 234, 248);  
box-shadow:4px 4px 4px 4px rgb(238, 234,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6260, 83.8001, 100.6798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 234, 248) }
```

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

```
.background{ background-color: rgb(238,  
234, 248) }
```

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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