

Converting Colors

XYZ(80.5872, 83.4652,
100.6549)

Have a look what the booklet for
XYZ(80.5872, 83.4652, 100.6549)
contains.

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Color

**XYZ(80.2978, 83.1154,
100.6177)**

Conversions

Conversions Part 1

Format	Color
Hex	EAEAF8
RGB	234, 234, 248
RGB Percent	92%, 92%, 97%
CMY	0.0823, 0.0823, 0.0274
CMYK	0.06, 0.06, 0.00, 0.03
HSL	240°, 50%, 95%
HSV	240°, 6%, 97%
XYZ	80.2978, 83.1154, 100.6177
YIQ	235.5960, -4.4940, 4.3540

Conversions

Conversions Part 2

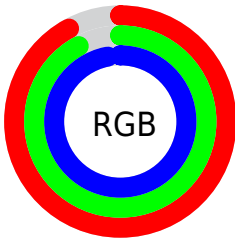
Format	Color
RYB	234, 234, 248
Decimal	15395576
CIELab	93.06, 2.56, -6.76
CIELCh	93, 7.232, 290.756
Yxy	83.1154, 0.3041, 0.3148
Android (android.graphics.Color)	4293585656 (0xFFEAEAF8)
YUV	235.5960, 6.1152, -1.3997
Hunter-Lab	91.1676, -2.3258, -1.6184

Details

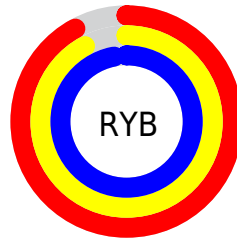
The XYZ color **80.2978, 83.1154, 100.6177** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1303, 93.0309, 91.2078**, and the grayscale version is **79.3793, 83.5132, 90.9459**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7949, 45.1115, 56.2683** is the 20% darker color. If you saturate the color by 10%, you get **66.1476, 66.0671, 98.0741**, and if you desaturate by 10%, it is **93.9435, 99.5574, 103.0734**.

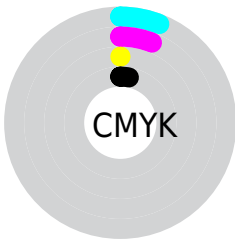
Distribution



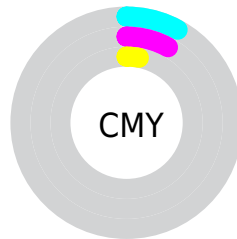
- Red (92%)
- Green (92%)
- Blue (97%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2978, 83.1154, 100.6177 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 80.2978, 83.1154, 100.6177 by changing the saturation by 10% instead.

80.2978, 83.1154,
100.6177

80.2978, 83.1154,
100.6177

484.6571,
505.3710, 583.4349

60.2728, 62.2854,
76.1968

132.7327,
137.7371, 164.0651

43.8888, 45.2633,
56.0862

165.8732,
172.2975, 203.9285

30.7806, 31.6649,
39.8676

204.1163,
212.2035, 249.7766

20.5829, 21.1057,
27.1223

247.8272,
257.8395, 302.0278

12.9302, 13.2013,
17.4319

297.3714,
309.5898, 361.1007

7.4571, 7.5673,
10.3777

353.1143,

3.7985, 3.8193,

367.8389, 427.4138

5.5412

415.4210,
432.9712, 501.3857

■ 1.5888, 1.5730,
2.5039

■ 0.3851, 0.3393,
0.8422

■ 80.2978, 83.1154,
100.6177

■ 80.2978, 83.1154,
100.6177

■ 66.1476, 66.0671,
98.0741

■ 93.9435, 99.5574,
103.0734

■ 54.0345, 51.4723,
95.8955

■ 43.8669, 39.2215,
94.0667

■ 35.5436, 29.1925,
92.5696

■ 28.9540, 21.2523,
91.3843

■ 23.9758, 15.2535,
90.4888

■ 20.4708, 11.0296,
89.8582

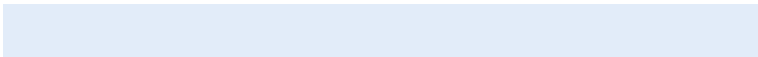
■ 18.2777, 8.3863,
89.4636

■ 17.1970, 7.0834,
89.2691

Harmonies

Analogous

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



78.4145, 83.1154, 101.2006



80.2978, 83.1154, 100.6177



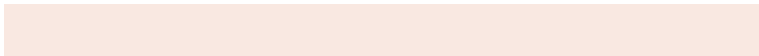
81.8560, 83.1154, 97.2661

Triad

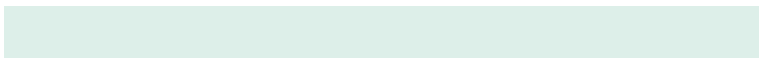
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2978, 83.1154, 100.6177



81.3277, 83.1154, 82.6505



75.4545, 83.1154, 88.8316

Complementary

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



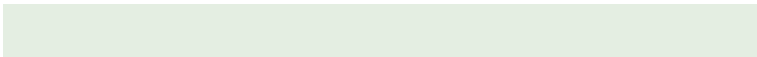
80.2978, 83.1154, 100.6177



87.1303, 93.0309, 91.2078

Split Complementary

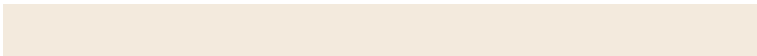
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2086, 83.1154, 84.0524



80.2978, 83.1154, 100.6177



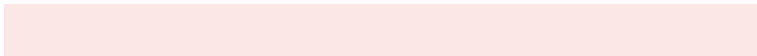
79.5858, 83.1154, 80.5789

Square

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



80.2978, 83.1154, 100.6177



82.4572, 83.1154, 86.8484



77.7137, 83.1154, 81.0817



75.6383, 83.1154, 94.2495

Rectangle

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



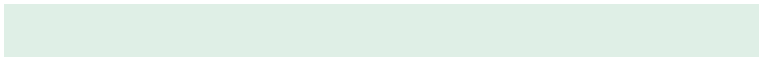
80.2978, 83.1154, 100.6177



82.4911, 83.1154, 93.9838



77.7137, 83.1154, 81.0817



75.6063, 83.1154, 87.1005

Sweetspot

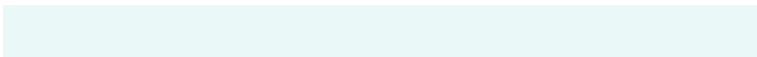
The Sweet Spot groups the original color and five complimentary colors.



80.3002, 83.1189, 100.6195



91.5935, 95.8354, 108.2783



84.4075, 91.3915, 101.8101



19.6410, 20.5563, 23.1825



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.



80.3002, 83.1189, 100.6195



83.3541, 85.9083, 106.7965



82.5635, 84.2842, 100.7252



16.8884, 17.3727, 21.8484



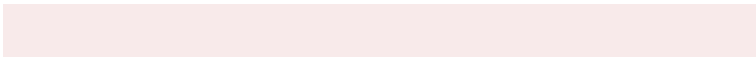
9.1533, 3.6622, 48.1980



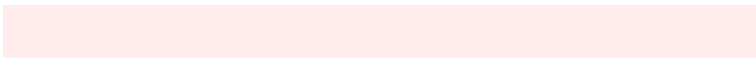
0.8479, 0.3394, 4.4640

Inverse Universe

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



82.9874, 84.7443, 89.8294



86.8763, 88.0387, 92.6536



84.7754, 91.8186, 91.0979



17.6677, 17.8440, 18.7196



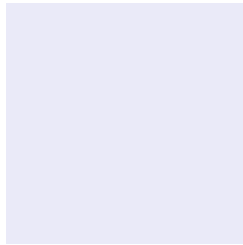
20.9122, 10.7806, 0.9801



1.9369, 0.9985, 0.0911

Previews

White Background



This preview shows how the XYZ color 80.2978, 83.1154, 100.6177 looks on a white background.

Color Contrast Check

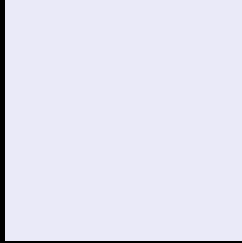
Large Text (above 18pt) WCAG AA × Fail

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 80.2978, 83.1154, 100.6177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

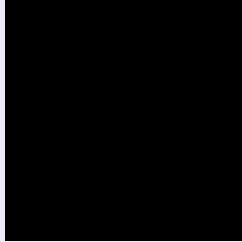
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2978, 83.1154, 100.6177

Background



This preview shows how black text looks on a background with the XYZ color 80.2978, 83.1154, 100.6177.



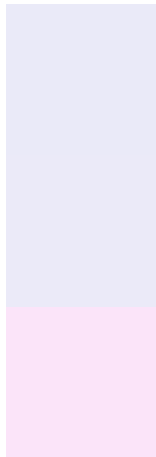
This preview shows how white text looks on a background with the XYZ color 80.2978, 83.1154,

100.6177.

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

80.2978, 83.1154, 100.6177

Protanopia

80.6270, 83.2851, 100.6331

Deuteranopia

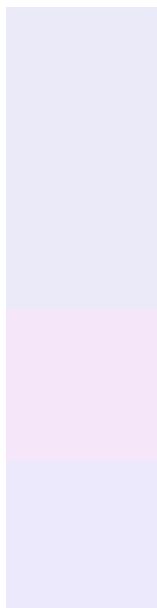
84.6259, 82.8356, 101.1511



Tritanopia

80.9706, 82.9683, 103.8423

Trichromacy



Original Color

80.2978, 83.1154, 100.6177

Protanomaly

80.6270, 83.2851, 100.6331

Deuteranomaly

83.0519, 82.8457, 101.2360

Tritanomaly

80.8124, 82.9050, 103.0098

Monochromacy



Original Color

80.2978, 83.1154, 100.6177

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.6975, 83.3701, 94.3296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2978, 83.1154, 100.6177 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(234, 234, 248)` looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 234, 248) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 80.2978, 83.1154, 100.6177 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(234, 234, 248) }
```


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

```
.border{ border-color:rgb(234, 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(234, 234, 248)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 80.2978, 83.1154, 100.6177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(234,  
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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