

Converting Colors

XYZ(79.9991, 82.4121, 97.9169)

Have a look what the booklet for
XYZ(79.9991, 82.4121, 97.9169)
contains.

XYZ(80.2124, 82.7033, 98.1219)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.2124, 82.7033,
98.1219)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE9F5
RGB	236, 233, 245
RGB Percent	93%, 91%, 96%
CMY	0.0745, 0.0863, 0.0392
CMYK	0.04, 0.05, 0.00, 0.04
HSL	255°, 37%, 94%
HSV	255°, 5%, 96%
XYZ	80.2124, 82.7033, 98.1219
YIQ	235.2650, -2.0640, 4.3680

Conversions

Conversions Part 2

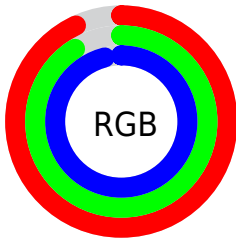
Format	Color
R _Y B	236, 233, 245
Decimal	15526389
CIE Lab	92.88, 3.17, -5.45
CIE LCh	93, 6.306, 300.214
Yxy	82.7033, 0.3073, 0.3168
Android (android.graphics.Color)	4293716469 (0xFFECE9F5)
YUV	235.2650, 4.7994, 0.6446
Hunter-Lab	90.9414, -1.7062, -0.3125

Details

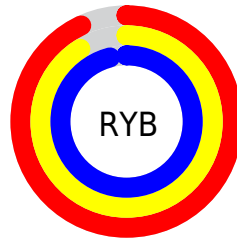
The XYZ color **80.2124, 82.7033, 98.1219** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.9815, 90.0675, 90.0535**, and the grayscale version is **79.1352, 83.2564, 90.6663**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7298, 44.8217, 54.4908** is the 20% darker color. If you saturate the color by 10%, you get **67.9610, 66.7983, 95.6989**, and if you desaturate by 10%, it is **93.2550, 99.2558, 100.6307**.

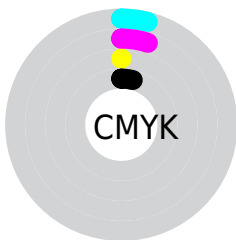
Distribution



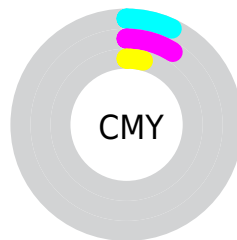
- Red (93%)
- Green (91%)
- Blue (96%)



- Red (93%)
- Yellow (91%)
- Blue (96%)



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



- Cyan (7%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2124, 82.7033, 98.1219 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 80.2124, 82.7033, 98.1219 by changing the saturation by 10% instead.

80.2124, 82.7033,
98.1219

80.2124, 82.7033,
98.1219

484.3740,
503.9972, 575.3495

60.2022, 61.9454,
74.1249

132.6133,
137.1598, 160.6031

43.8317, 44.9886,
54.3988

165.7347,
171.6273, 199.9244

30.7356, 31.4484,
38.5253

203.9572,
211.4333, 245.1909

20.5484, 20.9406,
26.0856

247.6462,
256.9625, 296.8210

12.9049, 13.0806,
16.6614

297.1670,
308.5990, 355.2334

7.4396, 7.4840,
9.8340

352.8850,

3.7873, 3.7666,

366.7274, 420.8466

5.1848

415.1655,
431.7320, 494.0791

■ 1.5825, 1.5439,
2.2955

■ 0.3810, 0.3193,
0.7287

■ 80.2124, 82.7033,
98.1219

■ 80.2124, 82.7033,
98.1219

■ 67.9610, 66.7983,
95.6989

■ 93.2550, 99.2558,
100.6307

■ 57.2400, 53.0507,
93.6104

■ 93.4817, 99.3727,
100.6413

■ 47.9896, 41.3696,
91.8433

■ 40.1437, 31.6534,
90.3814

■ 33.6305, 23.7917,
89.2072

■ 28.3719, 17.6629,
88.3014

■ 24.2810, 13.1308,
87.6422

■ 21.2586, 10.0375,
87.2045

■ 19.1865, 8.1914,
86.9573

Harmonies

Analogous

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



78.6188, 82.7033, 99.4330



80.2124, 82.7033, 98.1219



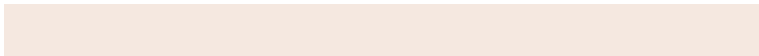
81.3893, 82.7033, 94.6336

Triad

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



80.2124, 82.7033, 98.1219



80.1917, 82.7033, 82.4012



75.4807, 82.7033, 90.0837

Complementary

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



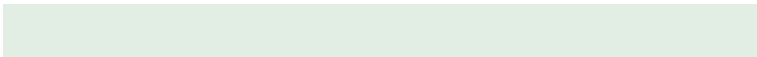
80.2124, 82.7033, 98.1219



83.9815, 90.0675, 90.0535

Split Complementary

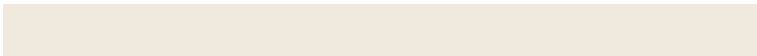
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8889, 82.7033, 85.6165



80.2124, 82.7033, 98.1219



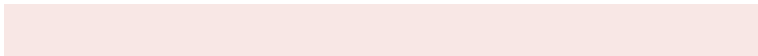
78.5952, 82.7033, 81.2763

Square

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



80.2124, 82.7033, 98.1219



81.3772, 82.7033, 85.5598



77.0232, 82.7033, 82.4331



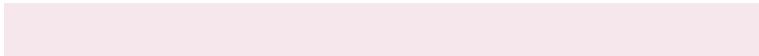
75.9004, 82.7033, 94.6942

Rectangle

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



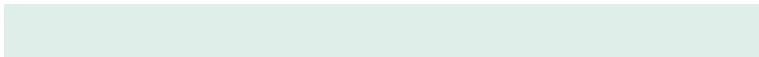
80.2124, 82.7033, 98.1219



81.7712, 82.7033, 91.6012



77.0232, 82.7033, 82.4331



75.5256, 82.7033, 88.5161

Sweetspot

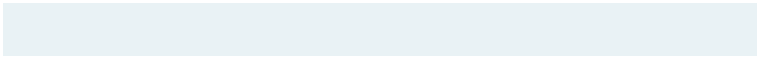
The Sweet Spot groups the original color and five complimentary colors.



80.2148, 82.7068, 98.1237



93.5415, 98.0227, 108.5979



81.9002, 87.5421, 98.9682



20.0376, 21.0017, 23.2476



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.



80.2148, 82.7068, 98.1237



86.2641, 88.5112, 107.1455



82.1724, 83.7160, 98.2153



16.7348, 17.1229, 20.9656



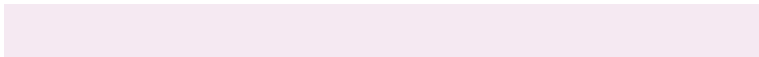
10.0278, 4.1439, 46.8093



0.9717, 0.4108, 4.1183

Inverse Universe

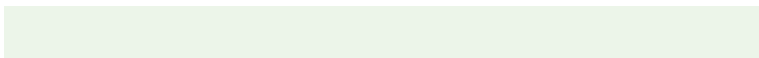
The Inverse Universe completely reimagines the original color for something new.



82.8251, 84.1049, 95.8773



89.7526, 90.3800, 104.1293



82.0217, 89.0572, 89.9618



17.4872, 17.5260, 20.3134



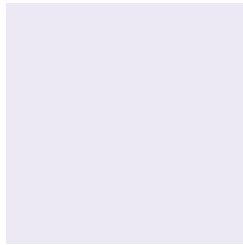
24.9947, 12.3413, 25.7440



2.2376, 1.1010, 2.4777

Previews

White Background



This preview shows how the XYZ color 80.2124, 82.7033, 98.1219 looks on a white background.

Color Contrast Check

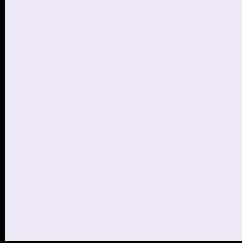
Large Text (above 18pt) WCAG AA × Fail

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 80.2124, 82.7033, 98.1219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

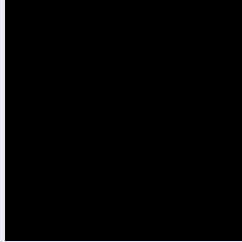
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

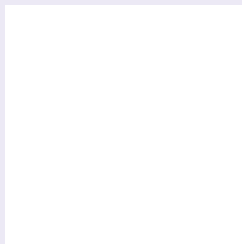
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2124, 82.7033, 98.1219

Background



This preview shows how black text looks on a background with the XYZ color 80.2124, 82.7033, 98.1219.



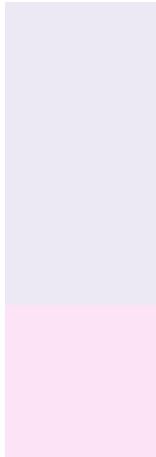
This preview shows how white text looks on a background with the XYZ color 80.2124, 82.7033,

98.1219.

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

80.2124, 82.7033, 98.1219

Protanopia

80.2124, 82.7033, 98.1219

Deuteranopia

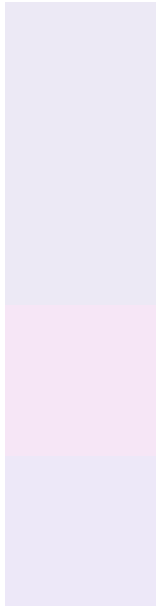
84.5228, 82.8361, 98.7229



Tritanopia

81.0370, 82.6199, 102.1186

Trichromacy



Original Color

80.2124, 82.7033, 98.1219

Protanomaly

80.2124, 82.7033, 98.1219

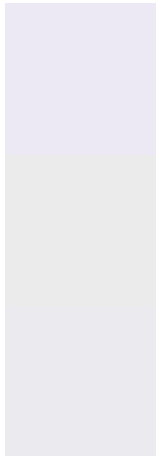
Deuteranomaly

82.9374, 82.8403, 98.8073

Tritanomaly

80.7249, 82.4951, 100.4754

Monochromacy



Original Color

80.2124, 82.7033, 98.1219

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.2638, 82.7398, 93.4541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2124, 82.7033, 98.1219 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(236, 233, 245) looks like.

```
.text, #text, p{  
    color:rgb(236, 233, 245)  
}
```

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(236, 233, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 233, 245) }
```

Border

The CSS property to change the border of an element to XYZ 80.2124, 82.7033, 98.1219 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(236, 233, 245) }
```


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

```
.border{ border-color:rgb(236, 233, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 233, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 233, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 233, 245);  
box-shadow:4px 4px 4px 4px rgb(236, 233,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2124, 82.7033, 98.1219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 233, 245) }
```

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

```
.background{ background-color: rgb(236,  
233, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor