

Converting Colors

XYZ(80.4150, 82.1263, 97.7981)

Have a look what the booklet for
XYZ(80.4150, 82.1263, 97.7981)
contains.

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Color

**XYZ(80.3172, 81.9215,
97.9655)**

Conversions

Conversions Part 1

Format	Color
Hex	EEE7F5
RGB	238, 231, 245
RGB Percent	93%, 91%, 96%
CMY	0.0667, 0.0941, 0.0392
CMYK	0.03, 0.06, 0.00, 0.04
HSL	270°, 41%, 93%
HSV	270°, 6%, 96%
XYZ	80.3172, 81.9215, 97.9655
YIQ	234.6890, -0.3220, 5.8380

Conversions

Conversions Part 2

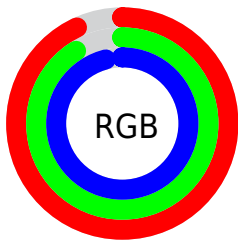
Format	Color
R _Y B	238, 231, 245
Decimal	15656949
CIE Lab	92.54, 4.86, -5.94
CIE LCh	93, 7.677, 309.303
Yxy	81.9215, 0.3087, 0.3148
Android (android.graphics.Color)	4293847029 (0xFFEEE7F5)
YUV	234.6890, 5.0833, 2.9037
Hunter-Lab	90.5105, 0.0040, -0.8161

Details

The XYZ color **80.3172, 81.9215, 97.9655** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.3392, 89.2537, 88.4933**, and the grayscale version is **78.6940, 82.7922, 90.1607**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8067, 44.2792, 54.3820** is the 20% darker color. If you saturate the color by 10%, you get **69.9600, 67.1071, 95.6532**, and if you desaturate by 10%, it is **91.7575, 98.4838, 100.5606**.

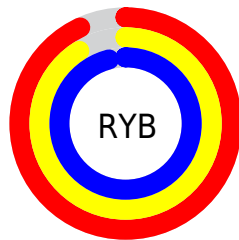
Distribution



Red (93%)

Green (91%)

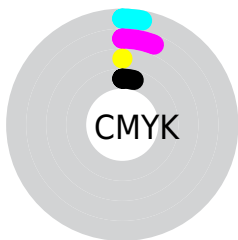
Blue (96%)



Red (93%)

Yellow (91%)

Blue (96%)

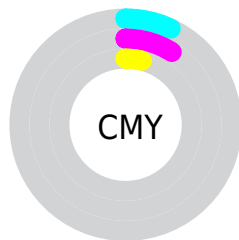


Cyan (3%)

Magenta (6%)

Yellow (0%)

Black (4%)



Cyan (7%)

Magenta (9%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3172, 81.9215, 97.9655 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 80.3172, 81.9215, 97.9655 by changing the saturation by 10% instead.

80.3172, 81.9215,
97.9655

80.3172, 81.9215,
97.9655

484.7214,
501.3851, 574.8408

60.2888, 61.3008,
73.9951

132.7598,
136.0639, 160.3859

43.9018, 44.4680,
54.2933

165.9047,
170.3544, 199.6730

30.7909, 31.0386,
38.4414

204.1524,
209.9704, 244.9028

20.5907, 20.6282,
26.0210

247.8684,
255.2961, 296.4938

12.9359, 12.8525,
16.6134

297.4179,
306.7161, 354.8646

7.4611, 7.3271,
9.8002

353.1663,

3.8010, 3.6675,

364.6146, 420.4337

5.1628

415.4791,
429.3762, 493.6196

■ 1.5902, 1.4894,
2.2827

■ 0.3860, 0.2812,
0.7215

■ 80.3172, 81.9215,
97.9655

■ 80.3172, 81.9215,
97.9655

■ 69.9600, 67.1071,
95.6532

■ 91.7575, 98.4838,
100.5606

■ 60.7950, 54.2709,
93.6586

■ 93.4817, 99.3727,
100.6413

■ 52.7766, 43.3288,
91.9692

■ 45.8531, 34.1863,
90.5694

■ 39.9687, 26.7405,
89.4423

■ 35.0617, 20.8778,
88.5693

■ 31.0632, 16.4701,
87.9293

■ 27.8937, 13.3682,
87.4976

■ 25.4559, 11.3884,
87.2440

Harmonies

Analogous

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



78.4852, 81.9215, 100.4762



80.3172, 81.9215, 97.9655



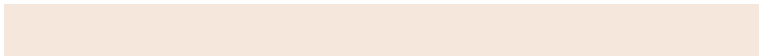
81.5049, 81.9215, 93.1348

Triad

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



80.3172, 81.9215, 97.9655



79.2265, 81.9215, 79.3185



74.1422, 81.9215, 90.9850

Complementary

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



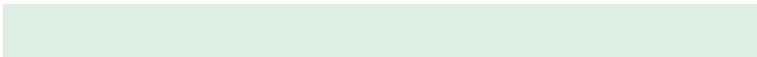
80.3172, 81.9215, 97.9655



82.3392, 89.2537, 88.4933

Split Complementary

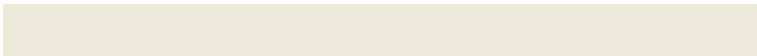
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.3330, 81.9215, 85.3749



80.3172, 81.9215, 97.9655



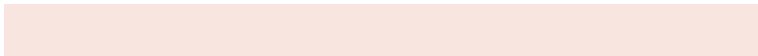
77.2459, 81.9215, 78.7981

Square

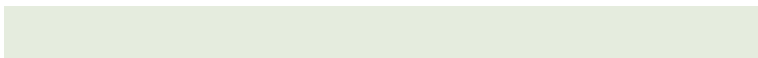
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3172, 81.9215, 97.9655



80.8678, 81.9215, 82.4242



75.4611, 81.9215, 80.9710



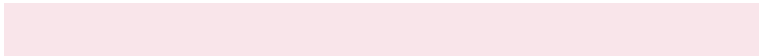
74.9354, 81.9215, 96.3343

Rectangle

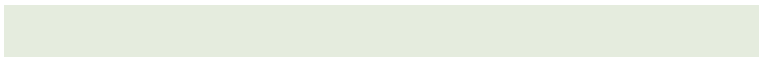
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



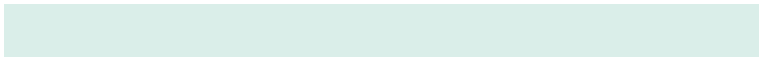
80.3172, 81.9215, 97.9655



81.7599, 81.9215, 89.3321



75.4611, 81.9215, 80.9710



74.0937, 81.9215, 89.0652

Sweetspot

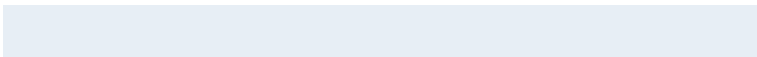
The Sweet Spot groups the original color and five complimentary colors.



80.3196, 81.9250, 97.9673



92.5123, 96.3085, 108.3212



80.0820, 84.8696, 98.5482



19.8281, 20.6527, 23.1913



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.



80.3196, 81.9250, 97.9673



86.4091, 87.4812, 106.9391



82.6345, 83.1184, 98.0756



16.8030, 16.9549, 20.9296



13.3981, 5.8813, 46.9671



1.2961, 0.5780, 4.1335

Inverse Universe

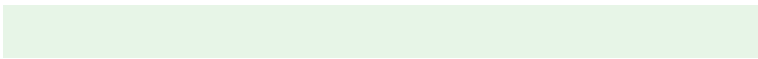
The Inverse Universe completely reimagines the original color for something new.



81.6676, 82.7410, 92.5594



88.2141, 88.5739, 99.6982



80.1096, 88.1043, 88.3890



17.1850, 17.1861, 19.3973



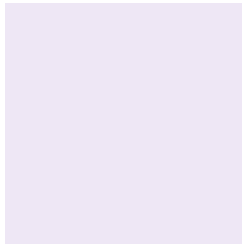
22.2664, 11.2500, 11.3772



2.0089, 1.0095, 1.2731

Previews

White Background



This preview shows how the XYZ color 80.3172, 81.9215, 97.9655 looks on a white background.

Color Contrast Check

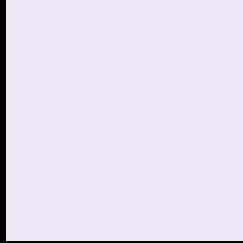
Large Text (above 18pt) WCAG AA × Fail

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 80.3172, 81.9215, 97.9655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

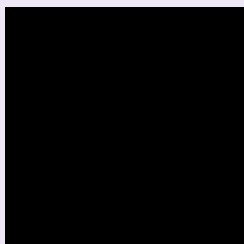
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

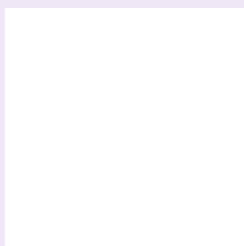
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3172, 81.9215, 97.9655

Background



This preview shows how black text looks on a background with the XYZ color 80.3172, 81.9215, 97.9655.



This preview shows how white text looks on a background with the XYZ color 80.3172, 81.9215,

97.9655.

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

80.3172, 81.9215, 97.9655

Protanopia

79.4228, 81.8595, 98.8032

Deuteranopia

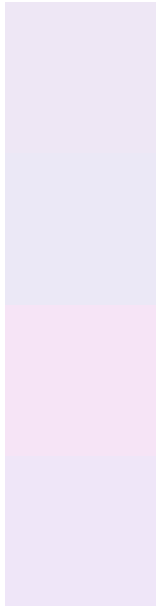
83.8873, 82.1012, 98.6146



Tritanopia

80.9923, 81.7839, 101.1397

Trichromacy



Original Color

80.3172, 81.9215, 97.9655

Protanomaly

79.7521, 82.0292, 98.8186

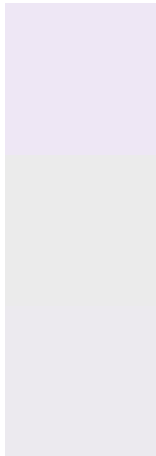
Deuteranomaly

82.3840, 81.7335, 98.6228

Tritanomaly

80.8367, 81.7217, 100.3202

Monochromacy



Original Color

80.3172, 81.9215, 97.9655

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

79.5949, 82.9105, 93.4696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3172, 81.9215, 97.9655 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, 231, 245) looks like.

```
.text, #text, p{  
    color:rgb(238, 231, 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(238, 231, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 231, 245) }
```

Border

The CSS property to change the border of an element to XYZ 80.3172, 81.9215, 97.9655 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, 231, 245) }
```


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

```
.border{ border-color:rgb(238, 231, 245) }
```

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

Here you see how a box with a 4 pixel rgb(238, 231, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 231, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 231, 245);  
box-shadow:4px 4px 4px 4px rgb(238, 231,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3172, 81.9215, 97.9655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 231, 245) }
```

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

```
.background{ background-color: rgb(238,  
231, 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](#).

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