

Converting Colors

XYZ(81.4165, 84.3590, 99.9349)

Have a look what the booklet for
XYZ(81.4165, 84.3590, 99.9349)
contains.

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Color

**XYZ(81.7090, 84.7108,
100.0400)**

Conversions

Conversions Part 1

Format	Color
Hex	EDEC7
RGB	237, 236, 247
RGB Percent	93%, 93%, 97%
CMY	0.0706, 0.0745, 0.0314
CMYK	0.04, 0.04, 0.00, 0.03
HSL	245°, 41%, 95%
HSV	245°, 4%, 97%
XYZ	81.7090, 84.7108, 100.0400
YIQ	237.5530, -2.9350, 3.6330

Conversions

Conversions Part 2

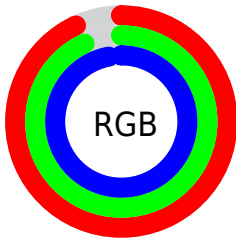
Format	Color
R _Y B	237, 236, 247
Decimal	15592695
CIE Lab	93.76, 2.33, -5.19
CIE LCh	94, 5.691, 294.135
Yxy	84.7108, 0.3066, 0.3179
Android (android.graphics.Color)	4293782775 (0xFFEDEC7)
YUV	237.5530, 4.6574, -0.4850
Hunter-Lab	92.0385, -2.6004, -0.0176

Details

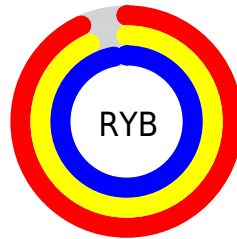
The XYZ color **81.7090, 84.7108, 100.0400** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4103, 92.1728, 92.5979**, and the grayscale version is **80.8914, 85.1041, 92.6783**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7813, 46.2279, 55.8529** is the 20% darker color. If you saturate the color by 10%, you get **68.0483, 67.8334, 97.5036**, and if you desaturate by 10%, it is **93.7888, 99.4955, 102.2584**.

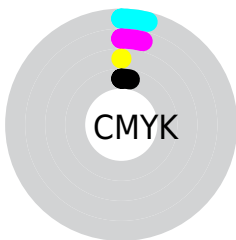
Distribution



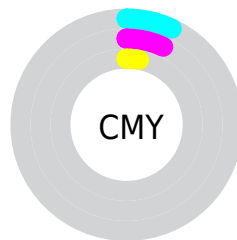
- Red (93%)
- Green (93%)
- Blue (97%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7090, 84.7108, 100.0400 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 81.7090, 84.7108, 100.0400 by changing the saturation by 10% instead.

81.7090, 84.7108,
100.0400

81.7090, 84.7108,
100.0400

489.3231,
510.6706, 581.5687

61.4390, 63.6025,
75.7169

134.7038,
139.9690, 163.2645

44.8334, 46.3288,
55.6951

168.1593,
174.8877, 203.0030

31.5270, 32.5053,
39.5562

206.7407,
215.1787, 248.7170

21.1542, 21.7478,
26.8815

250.8133,
261.2262, 300.8250

13.3499, 13.6717,
17.2526

300.7424,
313.4148, 359.7457

7.7486, 7.8927,
10.2509

356.8936,

3.9849, 4.0263,

372.1288, 425.8975

5.4579

419.6320,
437.7526, 499.6990

■ 1.6936, 1.6883,
2.4549

■ 0.4523, 0.4161,
0.8161

■ 81.7090, 84.7108,
100.0400

■ 81.7090, 84.7108,
100.0400

■ 68.0483, 67.8334,
97.5036

■ 93.7888, 99.4955,
102.2584

■ 56.2333, 53.3054,
95.3222

■ 46.1869, 41.0259,
93.4815

■ 37.8237, 30.8823,
91.9644

■ 31.0512, 22.7523,
90.7521

■ 25.7679, 16.5011,
89.8239

■ 21.8606, 11.9774,
89.1567

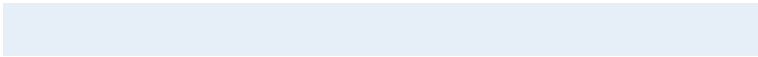
■ 19.1996, 9.0066,
88.7235

■ 17.6296, 7.3762,
88.4916

Harmonies

Analogous

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



80.2185, 84.7108, 100.7637



81.7090, 84.7108, 100.0400



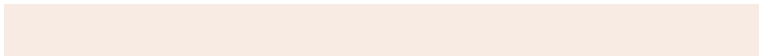
82.8928, 84.7108, 97.1974

Triad

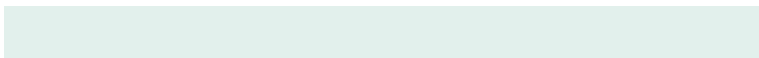
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7090, 84.7108, 100.0400



82.2294, 84.7108, 85.6550



77.6591, 84.7108, 91.3880

Complementary

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



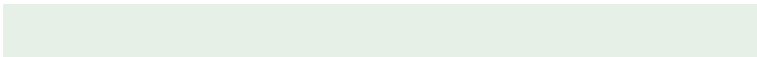
81.7090, 84.7108, 100.0400



86.4103, 92.1728, 92.5979

Split Complementary

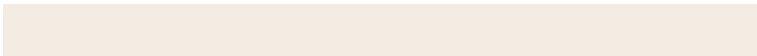
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1832, 84.7108, 87.4457



81.7090, 84.7108, 100.0400



80.8123, 84.7108, 84.2029

Square

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



81.7090, 84.7108, 100.0400



83.1959, 84.7108, 88.8748



79.3328, 84.7108, 84.8481



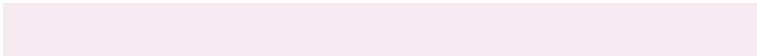
77.8925, 84.7108, 95.6802

Rectangle

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



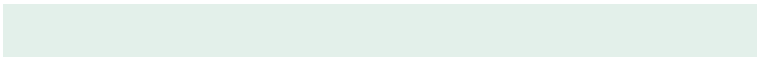
81.7090, 84.7108, 100.0400



83.3425, 84.7108, 94.5293



79.3328, 84.7108, 84.8481



77.7524, 84.7108, 89.9795

Sweetspot

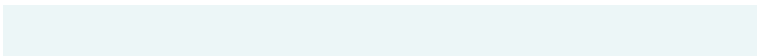
The Sweet Spot groups the original color and five complimentary colors.



81.7114, 84.7144, 100.0419



93.3939, 97.9466, 108.5909



84.3644, 90.5127, 101.0212



20.0076, 20.9862, 23.2462



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.



81.7114, 84.7144, 100.0419



86.9788, 90.0001, 107.3952



83.5480, 85.6612, 100.1278



16.8403, 17.3833, 21.0103



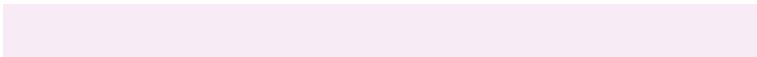
9.1077, 3.6695, 46.7663



0.8469, 0.3464, 4.1125

Inverse Universe

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



84.9907, 86.4227, 99.3948



90.9311, 92.0590, 106.6122



84.5372, 91.2072, 92.5102



17.7163, 17.8396, 20.8359



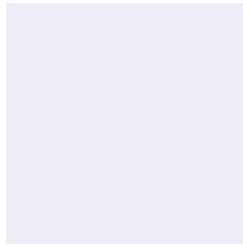
27.4742, 13.3331, 38.8013



2.4333, 1.1793, 3.5082

Previews

White Background



This preview shows how the XYZ color 81.7090, 84.7108, 100.0400 looks on a white background.

Color Contrast Check

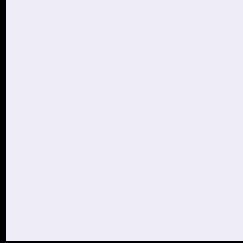
Large Text (above 18pt) WCAG AA × Fail

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 81.7090, 84.7108, 100.0400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

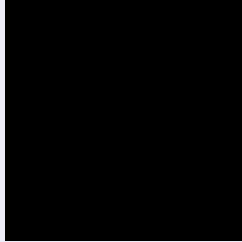
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

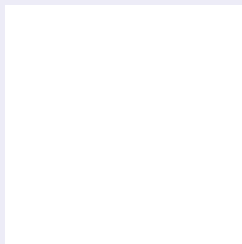
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7090, 84.7108, 100.0400

Background



This preview shows how black text looks on a background with the XYZ color 81.7090, 84.7108, 100.0400.



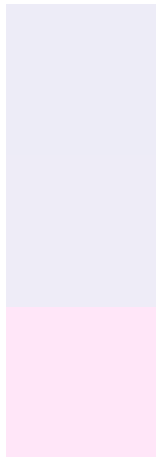
This preview shows how white text looks on a background with the XYZ color 81.7090, 84.7108,

100.0400.

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

81.7090, 84.7108, 100.0400

Protanopia

82.0438, 84.8834, 100.0557

Deuteranopia

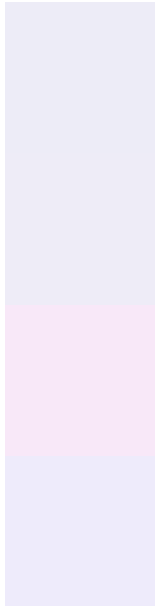
86.4801, 84.6309, 100.5843



Tritanopia

82.8576, 84.7496, 105.7572

Trichromacy



Original Color

81.7090, 84.7108, 100.0400

Protanomaly

82.0438, 84.8834, 100.0557

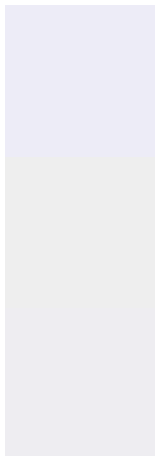
Deuteranomaly

84.5113, 84.4470, 100.6526

Tritanomaly

82.3808, 84.5588, 103.2463

Monochromacy



Original Color

81.7090, 84.7108, 100.0400

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.4213, 85.0964, 95.3530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7090, 84.7108, 100.0400 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, 236, 247) looks like.

```
.text, #text, p{  
    color:rgb(237, 236, 247)  
}
```

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, 236, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 236, 247) }
```

Border

The CSS property to change the border of an element to XYZ 81.7090, 84.7108, 100.0400 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, 236, 247) }
```


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

```
.border{ border-color:rgb(237, 236, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 236, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 236, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 236, 247);  
box-shadow:4px 4px 4px 4px rgb(237, 236,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7090, 84.7108, 100.0400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 236, 247) }
```

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

```
.background{ background-color: rgb(237,  
236, 247) }
```

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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