

Converting Colors

XYZ(81.7744, 84.4304, 81.1098)

Have a look what the booklet for
XYZ(81.7744, 84.4304, 81.1098)
contains.

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Color

**XYZ(81.6746, 84.2593,
81.0662)**

Conversions

Conversions Part 1

Format	Color
Hex	F9EADE
RGB	249, 234, 222
RGB Percent	98%, 92%, 87%
CMY	0.0235, 0.0823, 0.1294
CMYK	0.00, 0.06, 0.11, 0.02
HSL	27°, 69%, 92%
HSV	27°, 11%, 98%
XYZ	81.6746, 84.2593, 81.0662
YIQ	237.1170, 12.7920, -0.5520

Conversions

Conversions Part 2

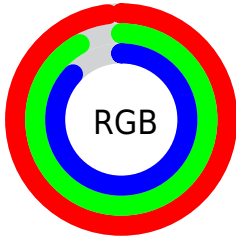
Format	Color
R _Y B	249, 244, 222
Decimal	16378590
CIE Lab	93.56, 3.10, 7.63
CIE LCh	94, 8.239, 67.881
Yxy	84.2593, 0.3307, 0.3411
Android (android.graphics.Color)	4294568670 (0xFFFF9EAD E)
YUV	237.1170, -7.4527, 10.4214
Hunter-Lab	91.7929, -1.8134, 11.8935

Details

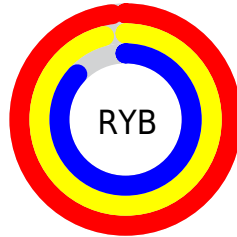
The XYZ color **81.6746, 84.2593, 81.0662** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5071, 82.9361, 101.5467**, and the grayscale version is **80.6370, 84.8364, 92.3869**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6337, 45.8373, 43.0542** is the 20% darker color. If you saturate the color by 10%, you get **74.7966, 75.4550, 63.5065**, and if you desaturate by 10%, it is **89.3575, 93.8828, 101.3278**.

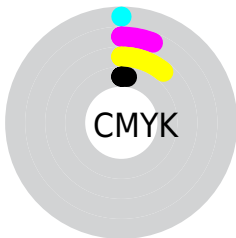
Distribution



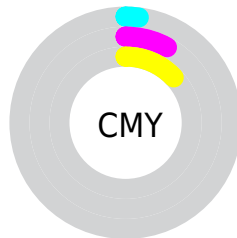
- Red (98%)
- Green (92%)
- Blue (87%)



- Red (98%)
- Yellow (96%)
- Blue (87%)



- Cyan (0%)
- Magenta (6%)
- Yellow (11%)
- Black (2%)




- Cyan (2%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.6746, 84.2593, 81.0662 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 81.6746, 84.2593, 81.0662 by changing the saturation by 10% instead.


 81.6746, 84.2593,
81.0662

 81.6746, 84.2593,
81.0662


489.2096,
509.1739, 518.3200

 61.4105, 63.2295,
60.0648


134.6558,
139.3378, 136.6886

 44.8104, 46.0269,
43.0452


168.1036,
174.1554, 172.1467

 31.5087, 32.2671,
29.5889


206.6768,
214.3377, 213.2608

 21.1403, 21.5656,
19.2774

250.7406,
260.2691, 260.4494

 13.3396, 13.5380,
11.6920

300.6604,
312.3341, 314.1311

 7.7414, 7.8001,
6.4144

356.8016,

 3.9803, 3.9673,

370.9169, 374.7244

3.0258

419.5296,
436.4021, 442.6479

■ 1.6910, 1.6553,
1.1078

■ 0.4506, 0.3944,
0.0000

■ 81.6746, 84.2593,
81.0662

■ 81.6746, 84.2593,
81.0662

■ 74.7966, 75.4550,
63.5065

■ 89.3575, 93.8828,
101.3278

■ 68.6882, 67.4363,
48.5275

■ 92.8774, 98.8800,
108.7983

■ 63.3211, 60.1832,
36.0071

■ 58.6629, 53.6707,
25.8106

■ 54.6783, 47.8720,
17.7905

■ 51.3282, 42.7587,
11.7821

■ 48.5690, 38.2994,
7.5967

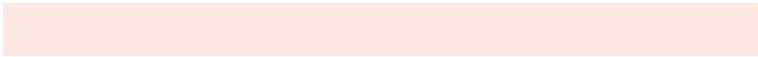
■ 46.3492, 34.4593,
5.0086

■ 44.7200, 31.4453,
3.7125

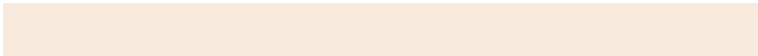
Harmonies

Analogous

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



83.4401, 84.2593, 84.5685



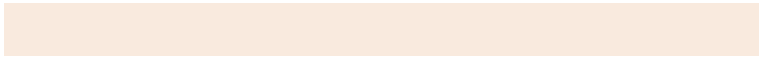
81.6746, 84.2593, 81.0662



79.5125, 84.2593, 80.3592

Triad

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



81.6746, 84.2593, 81.0662



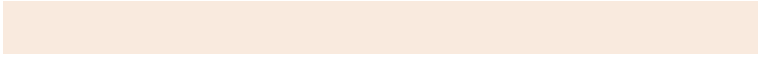
76.0052, 84.2593, 93.4000



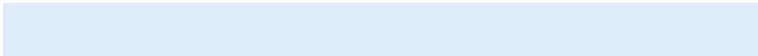
82.6874, 84.2593, 101.5490

Complementary

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



81.6746, 84.2593, 81.0662



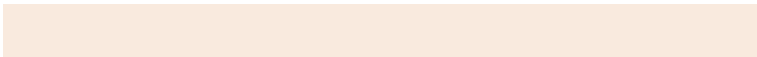
77.5071, 82.9361, 101.5467

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.



80.6621, 84.2593, 104.1564



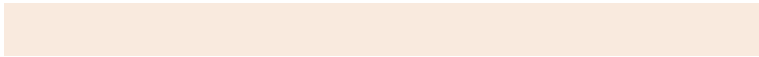
81.6746, 84.2593, 81.0662



76.8229, 84.2593, 99.3144

Square

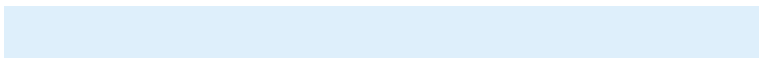
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6746, 84.2593, 81.0662



76.2652, 84.2593, 87.2978



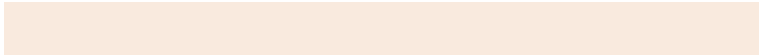
78.5180, 84.2593, 103.3206



84.0322, 84.2593, 96.3387

Rectangle

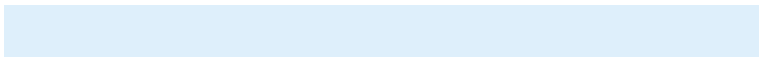
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6746, 84.2593, 81.0662



78.1417, 84.2593, 81.5368



78.5180, 84.2593, 103.3206



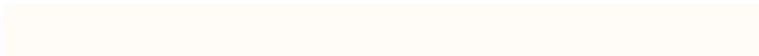
82.0622, 84.2593, 102.7695

Sweetspot

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



81.6769, 84.2630, 81.0680



92.5021, 96.8361, 102.0950



80.5192, 78.5155, 91.2630



19.6563, 20.5488, 21.4729



0.0000, 0.0000, 0.0000



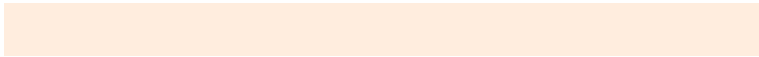
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6769, 84.2630, 81.0680



84.5700, 86.8564, 81.3095



85.5747, 92.0587, 82.3673



17.8798, 18.4955, 18.0900



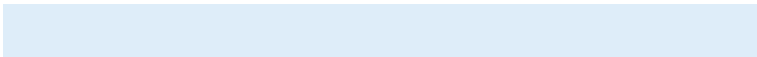
24.0743, 17.1053, 2.0328



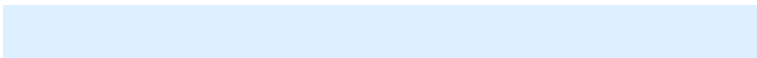
2.3336, 1.7920, 0.2229

Inverse Universe

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



77.5071, 82.9361, 101.5467



79.3653, 85.2000, 106.8700



73.8262, 75.5743, 100.3198



17.0825, 18.2418, 22.0060



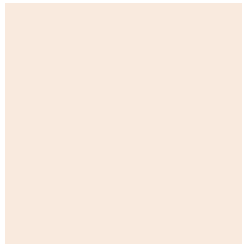
14.1842, 13.7240, 49.8750



1.4194, 1.4826, 4.6545

Previews

White Background



This preview shows how the XYZ color 81.6746, 84.2593, 81.0662 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 81.6746, 84.2593, 81.0662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

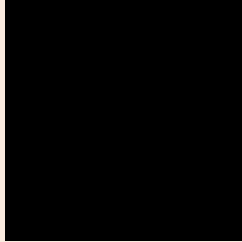
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.6746, 84.2593, 81.0662

Background



This preview shows how black text looks on a background with the XYZ color 81.6746, 84.2593, 81.0662.



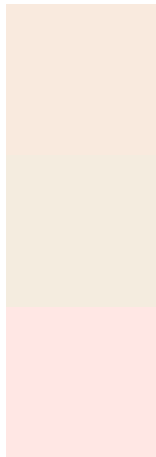
This preview shows how white text looks on a background with the XYZ color 81.6746, 84.2593,

81.0662.

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

81.6746, 84.2593, 81.0662

Protanopia

80.6230, 84.5517, 81.8829

Deuteranopia

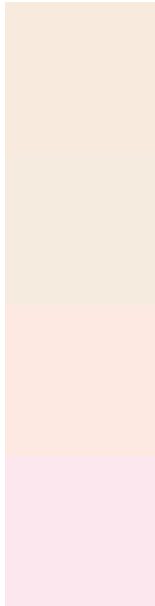
83.8195, 84.0133, 85.1972



Tritanopia

85.7481, 84.2536, 100.5501

Trichromacy



Original Color

81.6746, 84.2593, 81.0662

Protanomaly

81.0336, 84.3372, 81.8198

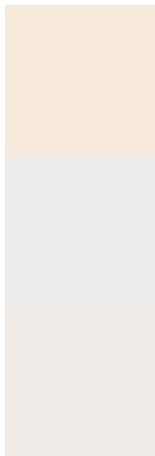
Deuteranomaly

83.0921, 84.0869, 83.8025

Tritanomaly

84.3008, 84.0793, 93.4471

Monochromacy



Original Color

81.6746, 84.2593, 81.0662

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.8366, 84.5179, 88.3970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6746, 84.2593, 81.0662 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(249, 234, 222) looks like.

```
.text, #text, p{  
    color:rgb(249, 234, 222)  
}
```

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(249, 234, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 234, 222) }
```

Border

The CSS property to change the border of an element to XYZ 81.6746, 84.2593, 81.0662 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(249, 234, 222) }
```


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

```
.border{ border-color:rgb(249, 234, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 234, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 234, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 234, 222);  
box-shadow:4px 4px 4px 4px rgb(249, 234,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6746, 84.2593, 81.0662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 234, 222) }
```

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

```
.background{ background-color: rgb(249,  
234, 222) }
```

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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