

# Converting Colors

XYZ(81.8887, 82.9670, 92.8093)

Have a look what the booklet for  
XYZ(81.8887, 82.9670, 92.8093)  
contains.

<b>XYZ(81.6647, 82.7374, 92.5546)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(81.6647, 82.7374,  
92.5546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E7EE
RGB	245, 231, 238
RGB Percent	96%, 91%, 93%
CMY	0.0392, 0.0941, 0.0667
CMYK	0.00, 0.06, 0.03, 0.04
HSL	330°, 41%, 93%
HSV	330°, 6%, 96%
XYZ	81.6647, 82.7374, 92.5546
YIQ	235.9840, 6.0970, 5.1450

# Conversions

## Conversions Part 2

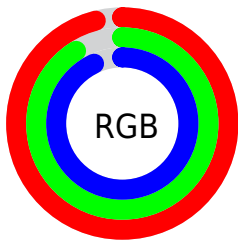
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 231, 238
Decimal	16115694
CIE Lab	92.90, 5.94, -1.70
CIE LCh	93, 6.182, 344.048
Yxy	82.7374, 0.3178, 0.3220
Android (android.graphics.Color)	4294305774 (0xFF5E7EE)
YUV	235.9840, 0.9939, 7.9070
Hunter-Lab	90.9601, 1.0785, 3.3427

# Details

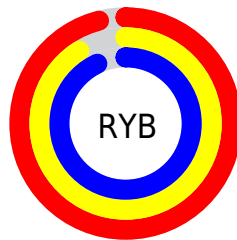
The XYZ color **81.6647, 82.7374, 92.5546** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.0432, 88.4689, 93.6981**, and the grayscale version is **79.7080, 83.8590, 91.3225**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7597, 44.8562, 50.5550** is the 20% darker color. If you saturate the color by 10%, you get **73.5428, 69.2764, 81.2658**, and if you desaturate by 10%, it is **90.7120, 97.8509, 104.7585**.

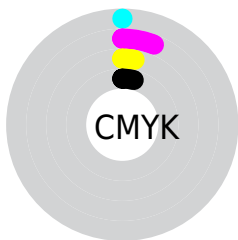
# Distribution



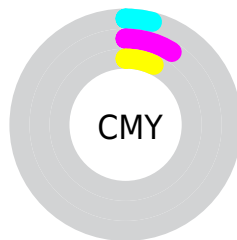
- Red (96%)
- Green (91%)
- Blue (93%)



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



- Cyan (0%)
- Magenta (6%)
- Yellow (3%)
- Black (4%)




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6647, 82.7374, 92.5546 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 81.6647, 82.7374, 92.5546 by changing the saturation by 10% instead.




 81.6647, 82.7374,  
92.5546

 81.6647, 82.7374,  
92.5546

489.1770,  
504.1109, 557.0894

 61.4024, 61.9735,  
69.5158


134.6420,  
137.2076, 152.8482

 44.8037, 45.0113,  
50.6575


168.0876,  
171.6827, 190.9400

 31.5035, 31.4663,  
35.5613


206.6584,  
211.4971, 234.8866

 21.1362, 20.9542,  
23.8085

250.7197,  
257.0351, 285.1064

 13.3367, 13.0905,  
14.9808

300.6368,  
308.6810, 342.0181

 7.7394, 7.4909,  
8.6594

356.7752,

 3.9790, 3.7710,

366.8194, 406.0401

4.4259

419.5001,  
431.8346, 477.5910

■ 1.6903, 1.5463,  
1.8618

■ 0.4502, 0.3210,  
0.4683

■ 81.6647, 82.7374,  
92.5546

■ 81.6647, 82.7374,  
92.5546

■ 73.5428, 69.2764,  
81.2658

■ 90.7120, 97.8509,  
104.7585

■ 66.4588, 57.7002,  
70.9146

■ 91.4666, 98.1527,  
108.7323

■ 60.3703, 47.9264,  
61.4756

■ 55.2288, 39.8628,  
52.9200

■ 50.9819, 33.4084,  
45.2170

■ 47.5716, 28.4518,  
38.3338

■ 44.9327, 24.8672,  
32.2344

■ 42.9894, 22.5077,  
26.8787

■ 41.6485, 21.1919,  
22.2203

# Harmonies

## Analogous

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



80.8194, 82.7374, 96.6350



81.6647, 82.7374, 92.5546



81.6921, 82.7374, 87.9443

# Triad

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



81.6647, 82.7374, 92.5546



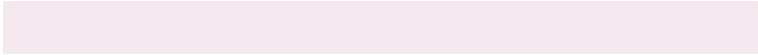
77.8877, 82.7374, 81.7278



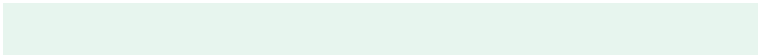
76.4274, 82.7374, 96.4161

# Complementary

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



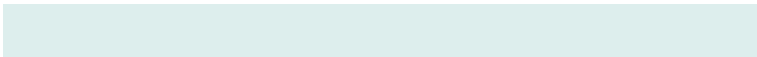
81.6647, 82.7374, 92.5546



81.0432, 88.4689, 93.6981

# 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.



75.6637, 82.7374, 92.2642



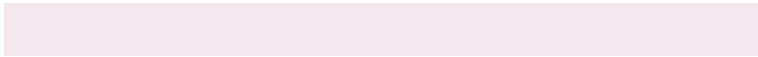
81.6647, 82.7374, 92.5546



76.4990, 82.7374, 83.8416

# Square

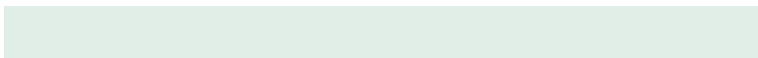
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



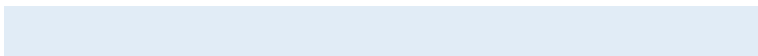
81.6647, 82.7374, 92.5546



79.4964, 82.7374, 81.7995



75.6898, 82.7374, 87.6636



77.7886, 82.7374, 98.9160

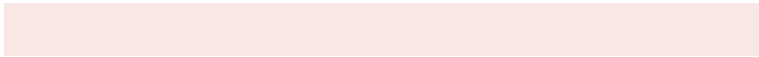


# Rectangle

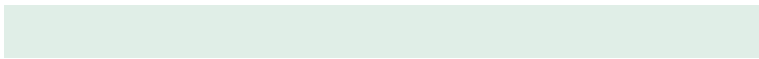
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6647, 82.7374, 92.5546



81.2419, 82.7374, 85.1963



75.6898, 82.7374, 87.6636



76.0931, 82.7374, 95.1613

# Sweetspot

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



81.6671, 82.7410, 92.5564



93.0365, 96.6259, 106.2163



80.3203, 81.9256, 97.9671



19.9348, 20.7173, 22.7629



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

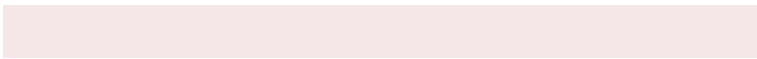
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6671, 82.7410, 92.5564



88.2133, 88.5735, 99.6941



80.6589, 82.3377, 87.2473



17.1848, 17.1860, 19.3965



22.2640, 11.2491, 11.3648



2.0087, 1.0094, 1.2720



# Inverse Universe

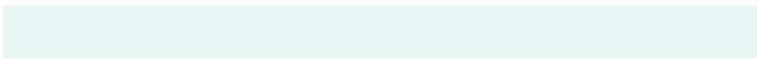
The Inverse Universe completely reimagines the original color for something new.



81.6671, 82.7410, 92.5564



88.2133, 88.5735, 99.6941



82.0913, 88.8882, 99.2177



17.1848, 17.1860, 19.3965



22.2640, 11.2491, 11.3648

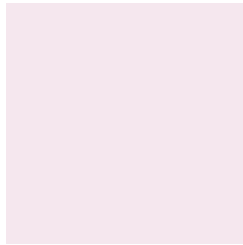


2.0087, 1.0094, 1.2720



# Previews

## White Background



This preview shows how the XYZ color 81.6647, 82.7374, 92.5546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

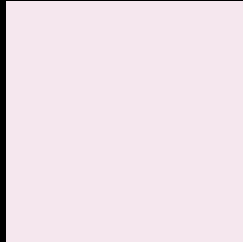
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.6647, 82.7374, 92.5546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

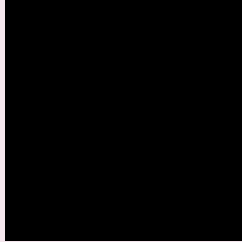
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.6647, 82.7374, 92.5546

## Background



This preview shows how black text looks on a background with the XYZ color 81.6647, 82.7374, 92.5546.



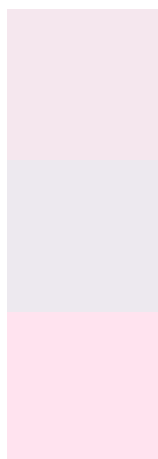
This preview shows how white text looks on a background with the XYZ color 81.6647, 82.7374,

92.5546.

# 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

81.6647, 82.7374, 92.5546

### Protanopia

79.6440, 82.5143, 93.3905

### Deuteranopia

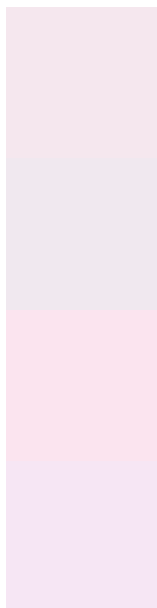
84.2891, 82.4302, 93.1295



## Tritanopia

82.9686, 82.4088, 100.3405

# Trichromacy



## Original Color

81.6647, 82.7374, 92.5546

## Protanomaly

80.3718, 82.4705, 93.3437

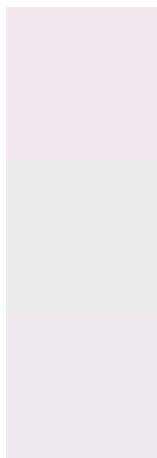
## Deuteranomaly

83.1071, 82.2280, 93.1527

## Tritanomaly

82.6320, 82.7181, 97.1990

# Monochromacy



## Original Color

81.6647, 82.7374, 92.5546

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.3055, 83.3108, 91.9688

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.6647, 82.7374, 92.5546 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(245, 231, 238) looks like.

```
.text, #text, p{  
    color:rgb(245, 231, 238)  
}
```

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(245, 231, 238) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 81.6647, 82.7374, 92.5546 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(245, 231, 238) }
```



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

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

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

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

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

# Background

The CSS property to change the background color of an element to XYZ 81.6647, 82.7374, 92.5546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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