

# Converting Colors

XYZ(81.9111, 84.5090,  
100.0202)

Have a look what the booklet for  
XYZ(81.9111, 84.5090, 100.0202)  
contains.

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# Color

**XYZ(81.7567, 84.3092,  
99.9599)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEEBF7
RGB	238, 235, 247
RGB Percent	93%, 92%, 97%
CMY	0.0667, 0.0784, 0.0314
CMYK	0.04, 0.05, 0.00, 0.03
HSL	255°, 43%, 95%
HSV	255°, 5%, 97%
XYZ	81.7567, 84.3092, 99.9599
YIQ	237.2650, -2.0640, 4.3680

# Conversions

## Conversions Part 2

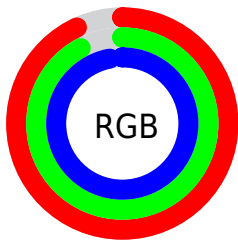
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 235, 247
Decimal	15657975
CIE Lab	93.58, 3.17, -5.44
CIE LCh	94, 6.296, 300.212
Yxy	84.3092, 0.3073, 0.3169
Android (android.graphics.Color)	4293848055 (0xFFEEEEBF7)
YUV	237.2650, 4.7994, 0.6446
Hunter-Lab	91.8200, -1.7484, -0.2720

# Details

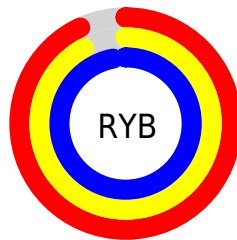
The XYZ color **81.7567, 84.3092, 99.9599** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.5675, 91.7550, 91.8021**, and the grayscale version is **80.6678, 84.8688, 92.4221**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8155, 45.9469, 55.7968** is the 20% darker color. If you saturate the color by 10%, you get **69.2661, 68.0928, 97.4894**, and if you desaturate by 10%, it is **93.7887, 99.4955, 102.2583**.

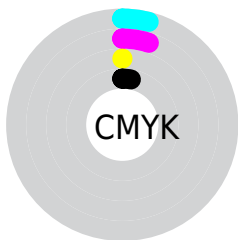
# Distribution



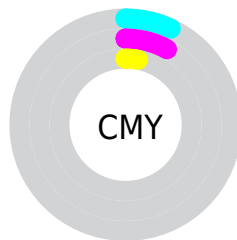
- Red (93%)
- Green (92%)
- Blue (97%)



- Red (93%)
- Yellow (92%)
- Blue (97%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (7%)
- Magenta (8%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.7567, 84.3092, 99.9599 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 81.7567, 84.3092, 99.9599 by changing the saturation by 10% instead.



81.7567, 84.3092,  
99.9599

81.7567, 84.3092,  
99.9599

489.4803,  
509.3394, 581.3097

61.4784, 63.2707,  
75.6504

134.7704,  
139.4076, 163.1535

44.8654, 46.0603,  
55.6409

168.2365,  
174.2364, 202.8746

31.5522, 32.2934,  
39.5130

206.8292,  
214.4307, 248.5699

21.1736, 21.5857,  
26.8482

250.9140,  
260.3750, 300.6581

13.3642, 13.5528,  
17.2278

300.8562,  
312.4536, 359.5576

7.7585, 7.8103,  
10.2334

357.0210,

3.9913, 3.9738,

371.0509, 425.6870

5.4463

419.7740,  
436.5514, 499.4649

■ 1.6972, 1.6589,  
2.4482

■ 0.4545, 0.3968,  
0.8125

■ 81.7567, 84.3092,  
99.9599

■ 81.7567, 84.3092,  
99.9599

■ 69.2661, 68.0928,  
97.4894

■ 93.7887, 99.4955,  
102.2583

■ 58.3358, 54.0764,  
95.3601

■ 48.9051, 42.1670,  
93.5584

■ 40.9064, 32.2611,  
92.0679

■ 34.2667, 24.2461,  
90.8708

■ 28.9061, 17.9982,  
89.9474

■ 24.7361, 13.3781,  
89.2754

■ 21.6555, 10.2253,  
88.8292

■ 19.5438, 8.3439,  
88.5774

# Harmonies

## Analogous

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



80.1452, 84.3092, 101.2850



81.7567, 84.3092, 99.9599



82.9467, 84.3092, 96.4336

# Triad

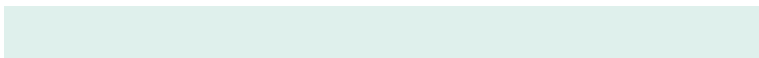
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7567, 84.3092, 99.9599



81.7359, 84.3092, 84.0617



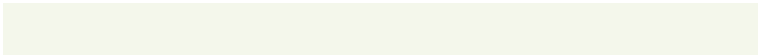
76.9714, 84.3092, 91.8323

# Complementary

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



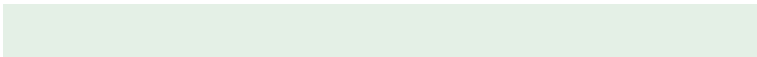
81.7567, 84.3092, 99.9599



85.5675, 91.7550, 91.8021

# Split Complementary

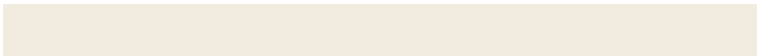
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3843, 84.3092, 87.3141



81.7567, 84.3092, 99.9599



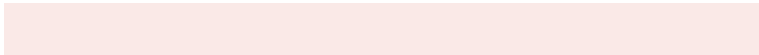
80.1215, 84.3092, 82.9234

# Square

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



81.7567, 84.3092, 99.9599



82.9346, 84.3092, 87.2573



78.5317, 84.3092, 84.0937



77.3959, 84.3092, 96.4943



# Rectangle

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



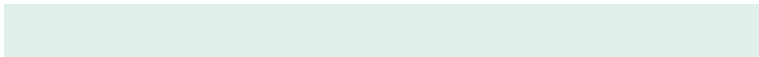
81.7567, 84.3092, 99.9599



83.3329, 84.3092, 93.3675



78.5317, 84.3092, 84.0937



77.0168, 84.3092, 90.2470

# Sweetspot

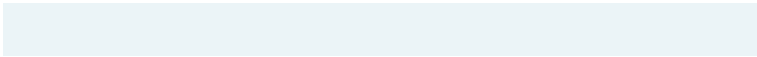
The Sweet Spot groups the original color and five complimentary colors.



81.7591, 84.3128, 99.9617



93.5415, 98.0227, 108.5979



83.4632, 89.2019, 100.8156



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.



81.7591, 84.3128, 99.9617



86.2642, 88.5113, 107.1455



83.7384, 85.3332, 100.0544



16.7348, 17.1229, 20.9656



10.0279, 4.1439, 46.8093



0.9717, 0.4108, 4.1183



# Inverse Universe

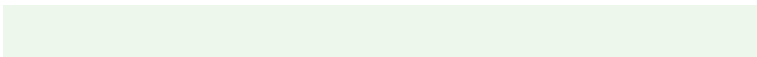
The Inverse Universe completely reimagines the original color for something new.



84.3982, 85.7263, 97.6908



89.7526, 90.3800, 104.1291



83.5860, 90.7335, 91.7094



17.4872, 17.5260, 20.3133



24.9945, 12.3412, 25.7433

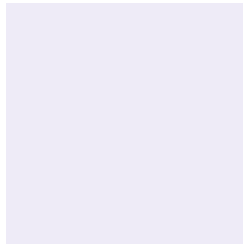


2.2376, 1.1010, 2.4776



# Previews

## White Background



This preview shows how the XYZ color 81.7567, 84.3092, 99.9599 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

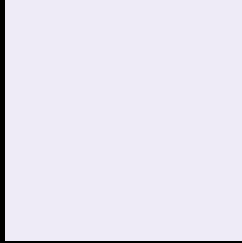
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.7567, 84.3092, 99.9599 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

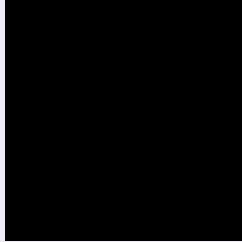
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

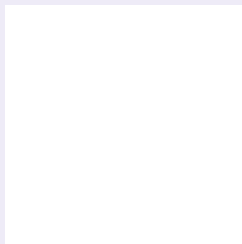
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 81.7567, 84.3092, 99.9599**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.7567, 84.3092, 99.9599.



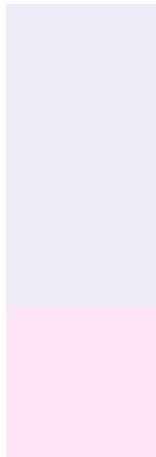
This preview shows how white text looks on a background with the XYZ color 81.7567, 84.3092,

99.9599.

# 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

81.7567, 84.3092, 99.9599

### Protanopia

81.7567, 84.3092, 99.9599

### Deuteranopia

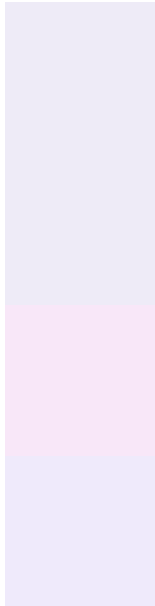
85.8356, 83.8868, 100.4747



## Tritanopia

82.7490, 84.2882, 104.8364

# Trichromacy



## Original Color

81.7567, 84.3092, 99.9599

## Protanomaly

81.7567, 84.3092, 99.9599

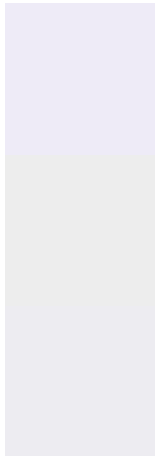
## Deuteranomaly

84.2306, 83.8856, 100.5590

## Tritanomaly

82.4320, 84.1614, 103.1669

# Monochromacy



## Original Color

81.7567, 84.3092, 99.9599

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.7977, 84.3463, 95.2411

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.7567, 84.3092, 99.9599 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, 235, 247) looks like.

```
.text, #text, p{  
    color:rgb(238, 235, 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(238, 235, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 235, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 81.7567, 84.3092, 99.9599 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, 235, 247) }
```



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

```
.border{ border-color:rgb(238, 235, 247) }
```

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

Here you see how a box with a 4 pixel rgb(238, 235, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 235, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 235, 247);  
box-shadow:4px 4px 4px 4px rgb(238, 235,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.7567, 84.3092, 99.9599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 235, 247) }
```

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

```
.background{ background-color: rgb(238,  
235, 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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