

# Converting Colors

XYZ(111.7343, 98.2221,  
97.1026)

Have a look what the booklet for  
XYZ(111.7343, 98.2221, 97.1026)  
contains.

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# **Color**

**XYZ(85.8429, 84.8226,  
95.8524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE7F2
RGB	255, 231, 242
RGB Percent	100%, 91%, 95%
CMY	0.0000, 0.0941, 0.0510
CMYK	0.00, 0.09, 0.05, 0.00
HSL	333°, 100%, 95%
HSV	333°, 9%, 100%
XYZ	85.8429, 84.8226, 95.8524
YIQ	239.4300, 10.7730, 8.5090

# Conversions

## Conversions Part 2

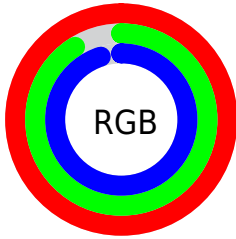
Format	Color
R <sub>Y</sub> B	255, 231, 242
Decimal	16771058
CIE Lab	93.81, 10.01, -2.36
CIE LCh	94, 10.279, 346.735
Yxy	84.8226, 0.3221, 0.3183
Android (android.graphics.Color)	4294961138 (0xFFFFE7F2)
YUV	239.4300, 1.2670, 13.6549
Hunter-Lab	92.0992, 5.2009, 2.7633

# Details

The XYZ color **85.8429, 84.8226, 95.8524** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.0467, 95.0418, 99.4539**, and the grayscale version is **82.3654, 86.6548, 94.3671**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4816, 46.2109, 52.8714** is the 20% darker color. If you saturate the color by 10%, you get **77.2222, 70.7769, 83.1265**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

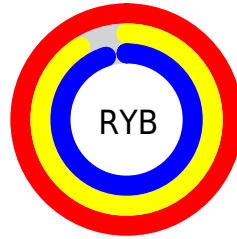
# Distribution



Red (100%)

Green (91%)

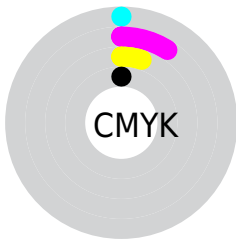
Blue (95%)



Red (100%)

Yellow (91%)

Blue (95%)

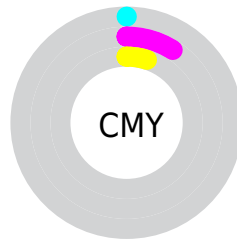


Cyan (0%)

Magenta (9%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.8429, 84.8226, 95.8524 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 85.8429, 84.8226, 95.8524 by changing the saturation by 10% instead.



 85.8429, 84.8226,  
95.8524

 85.8429, 84.8226,  
95.8524


502.8548,  
511.0409, 567.9442

 64.8629, 63.6948,  
72.2438


140.4582,  
140.1253, 157.4474

 47.6142, 46.4035,  
52.8698


174.8242,  
175.0690, 196.2709

 33.7315, 32.5644,  
37.3119


214.3829,  
215.3868, 241.0031

 22.8493, 21.7929,  
25.1514

259.4997,  
261.4630, 292.0626

 14.6023, 13.7048,  
15.9698

310.5400,  
313.6822, 349.8680

 8.6253, 7.9157,  
9.3487

367.8690,

 4.5527, 4.0410,

372.4286, 414.8376

4.8694

431.8522,  
438.0867, 487.3902

■ 2.0193, 1.6965,  
2.1134

■ 0.6448, 0.4214,  
0.6237

■ 85.8429, 84.8226,  
95.8524

■ 85.8429, 84.8226,  
95.8524

■ 77.2222, 70.7769,  
83.1265

95.0500, 100.0000,  
108.9000

■ 69.7478, 58.7790,  
71.5378

■ 63.3701, 48.7349,  
61.0535

■ 58.0334, 40.5390,  
51.6366

■ 53.6768, 34.0759,  
43.2481

■ 50.2329, 29.2169,  
35.8456

■ 47.6248, 25.8151,  
29.3830

■ 45.7619, 23.6961,  
23.8083

■ 44.5070, 22.5929,  
19.0531

# Harmonies

## Analogous

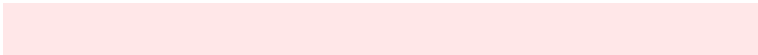
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5073, 84.8226, 103.0564



85.8429, 84.8226, 95.8524



85.7571, 84.8226, 88.0929

# Triad

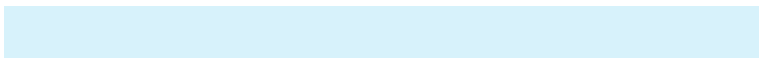
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8429, 84.8226, 95.8524



79.1182, 84.8226, 78.6868



77.0745, 84.8226, 103.7511

# Complementary

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



85.8429, 84.8226, 95.8524



85.0467, 95.0418, 99.4539

# Split Complementary

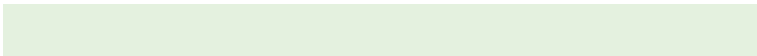
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6948, 84.8226, 96.7573



85.8429, 84.8226, 95.8524



76.8564, 84.8226, 82.4257

# Square

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



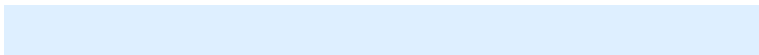
85.8429, 84.8226, 95.8524



81.8326, 84.8226, 78.4751



75.6159, 84.8226, 88.9484



79.4221, 84.8226, 107.7873

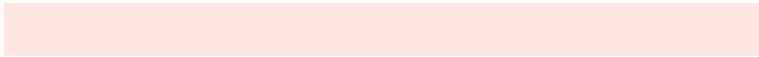


# Rectangle

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



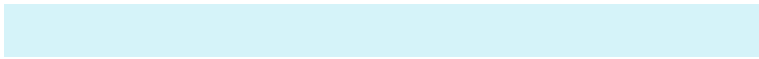
85.8429, 84.8226, 95.8524



84.9047, 84.8226, 83.6485



75.6159, 84.8226, 88.9484



76.4845, 84.8226, 101.6508

# Sweetspot

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



85.8448, 84.8261, 95.8542



91.9977, 94.9517, 104.6263



83.8674, 83.5730, 106.3187



19.5207, 20.0420, 22.1538



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

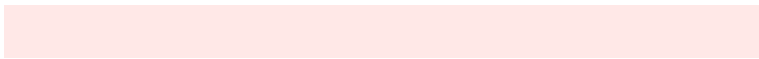
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8448, 84.8261, 95.8542



84.3945, 82.4505, 93.7522



84.4666, 84.6338, 87.4898



18.3556, 18.1255, 20.4897



23.2955, 11.8075, 10.2065



2.3226, 1.1714, 1.2800



# Inverse Universe

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



85.8448, 84.8261, 95.8542



84.3945, 82.4505, 93.7522



86.5123, 95.2207, 108.4275



18.3556, 18.1255, 20.4897



23.2955, 11.8075, 10.2065

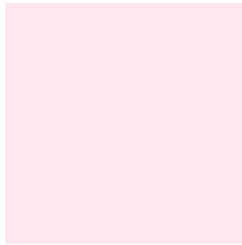


2.3226, 1.1714, 1.2800



# Previews

## White Background



This preview shows how the XYZ color 85.8429, 84.8226, 95.8524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

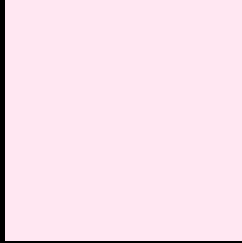
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.8429, 84.8226, 95.8524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

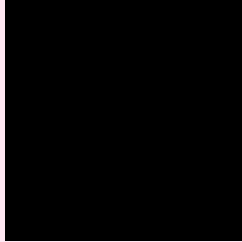
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.8429, 84.8226, 95.8524

## Background



This preview shows how black text looks on a background with the XYZ color 85.8429, 84.8226, 95.8524.



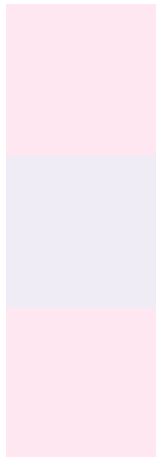
This preview shows how white text looks on a background with the XYZ color 85.8429, 84.8226,

95.8524.

# 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

85.8429, 84.8226, 95.8524

### Protanopia

82.0735, 84.9342, 98.4544

### Deuteranopia

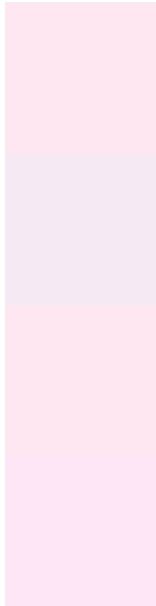
85.6931, 84.7627, 95.0634



## Tritanopia

86.4801, 84.6309, 100.5843

# Trichromacy



## Original Color

85.8429, 84.8226, 95.8524

## Protanomaly

83.4081, 84.7898, 97.5579

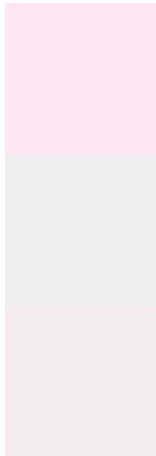
## Deuteranomaly

85.6931, 84.7627, 95.0634

## Tritanomaly

86.1714, 84.5074, 98.9586

# Monochromacy



## Original Color

85.8429, 84.8226, 95.8524

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

83.3798, 85.6947, 94.5842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.8429, 84.8226, 95.8524 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(255, 231, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 242)  
}
```

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(255, 231, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 85.8429, 84.8226, 95.8524 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(255, 231, 242) }
```



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

```
.border{ border-color:rgb(255, 231, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.8429, 84.8226, 95.8524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 242) }
```

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

```
.background{ background-color: rgb(255,  
231, 242) }
```

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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