

# Converting Colors

XYZ(74.9726, 81.3815, 87.9444)

Have a look what the booklet for  
XYZ(74.9726, 81.3815, 87.9444)  
contains.

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# Color

**XYZ(74.9924, 81.5051,  
88.1235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFECE8
RGB	223, 236, 232
RGB Percent	87%, 93%, 91%
CMY	0.1255, 0.0745, 0.0902
CMYK	0.06, 0.00, 0.02, 0.07
HSL	162°, 26%, 90%
HSV	162°, 6%, 93%
XYZ	74.9924, 81.5051, 88.1235
YIQ	231.6570, -6.4640, -4.0000

# Conversions

## Conversions Part 2

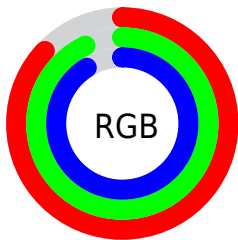
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 231, 236
Decimal	14675176
CIE Lab	92.36, -5.03, 0.44
CIE LCh	92, 5.048, 175.031
Yxy	81.5051, 0.3066, 0.3332
Android (android.graphics.Color)	4292865256 (0xFFDFECE8)
YUV	231.6570, 0.1691, -7.5922
Hunter-Lab	90.2802, -9.7170, 5.3225

# Details

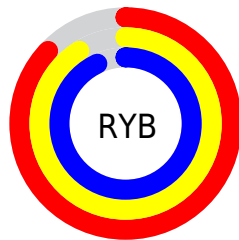
The XYZ color **74.9924, 81.5051, 88.1235** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.8479, 76.1564, 83.4317**, and the grayscale version is **76.4496, 80.4309, 87.5893**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3062, 44.1019, 47.4625** is the 20% darker color. If you saturate the color by 10%, you get **67.2113, 77.6129, 82.4834**, and if you desaturate by 10%, it is **83.8343, 85.9438, 94.0394**.

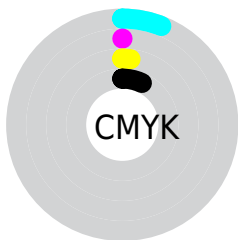
# Distribution



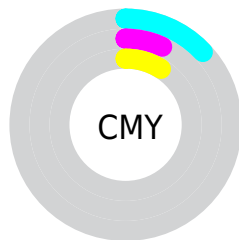
- Red (87%)
- Green (93%)
- Blue (91%)



- Red (87%)
- Yellow (91%)
- Blue (93%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9924, 81.5051, 88.1235 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 74.9924, 81.5051, 88.1235 by changing the saturation by 10% instead.



■ 74.9924, 81.5051,  
88.1235

■ 74.9924, 81.5051,  
88.1235

466.8890,  
499.9908, 542.3194

■ 55.9008, 60.9577,  
65.8604

125.2896,  
135.4798, 146.6417

■ 40.3601, 44.1910,  
47.7033

157.2259,  
169.6758, 183.7340

■ 28.0049, 30.8207,  
33.2337

194.1744,  
209.1902, 226.6064

■ 18.4698, 20.4624,  
22.0330

236.5007,  
254.4073, 275.6774

■ 11.3895, 12.7316,  
13.6826

284.5699,  
305.7115, 331.3657

■ 6.3987, 7.2440,  
7.7640

338.7474,

■ 3.1319, 3.6151,

363.4872, 394.0898

3.8587

399.3987,  
428.1188, 464.2682

■ 1.2239, 1.4607,  
1.5482

■ 0.1251, 0.2608,  
0.2534

■ 74.9924, 81.5051,  
88.1235

■ 74.9924, 81.5051,  
88.1235

■ 67.2113, 77.6129,  
82.4834

■ 83.8343, 85.9438,  
94.0394

■ 60.4420, 74.2351,  
77.1091

■ 87.9537, 87.9407,  
99.9581

■ 54.6415, 71.3520,  
71.9976

■ 89.0945, 88.3970,  
105.9653

■ 49.7615, 68.9386,  
67.1439

■ 89.2870, 88.4740,  
106.9790

■ 45.7489, 66.9677,  
62.5426

■ 42.5453, 65.4093,  
58.1882

■ 40.0848, 64.2293,  
54.0747

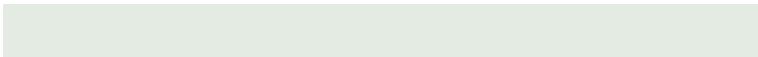
■ 38.2906, 63.3884,  
50.1954

■ 37.0683, 62.8379,  
46.5430

# Harmonies

## Analogous

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



75.4278, 81.5051, 84.6854



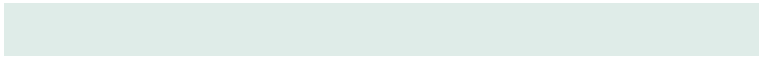
74.9924, 81.5051, 88.1235



75.2143, 81.5051, 91.8241

# Triad

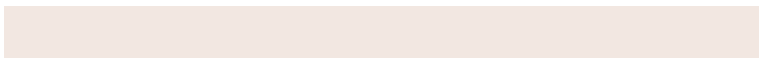
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9924, 81.5051, 88.1235



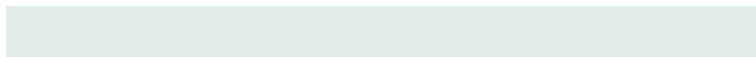
78.5359, 81.5051, 95.4247



78.9168, 81.5051, 82.9793

# Complementary

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



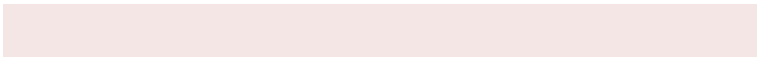
74.9924, 81.5051, 88.1235



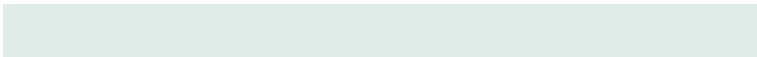
74.8479, 76.1564, 83.4317

# 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.



79.7666, 81.5051, 85.7359



74.9924, 81.5051, 88.1235



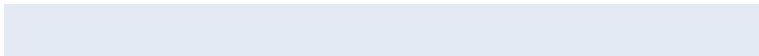
79.5450, 81.5051, 92.9327

# Square

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



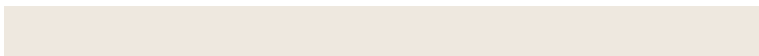
74.9924, 81.5051, 88.1235



77.2508, 81.5051, 96.1072



79.9978, 81.5051, 89.3698



77.6859, 81.5051, 81.7691



# Rectangle

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



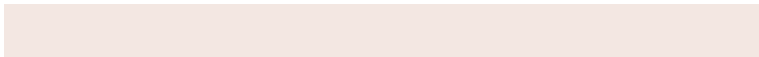
74.9924, 81.5051, 88.1235



75.7064, 81.5051, 93.9330



79.9978, 81.5051, 89.3698



79.2571, 81.5051, 83.7520

# Sweetspot

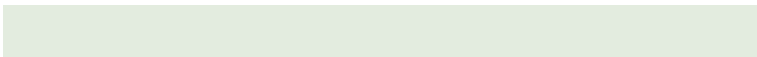
The Sweet Spot groups the original color and five complimentary colors.



74.9947, 81.5086, 88.1253



92.9467, 98.9448, 107.4873



75.0328, 81.6722, 81.6229



19.9165, 21.1893, 23.0216



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

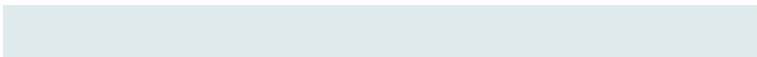
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9947, 81.5086, 88.1253



87.9128, 96.4214, 104.0131



74.8882, 80.3750, 90.9279



15.6311, 17.1998, 18.5385



20.2553, 34.5566, 25.1074



1.6332, 2.7306, 2.1964



# Inverse Universe

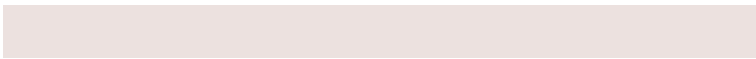
The Inverse Universe completely reimagines the original color for something new.



74.8479, 76.1564, 83.4317



87.6918, 88.3650, 96.9482



74.9430, 77.2208, 80.7685



15.5887, 15.6535, 17.1826



19.7753, 10.1128, 4.6183

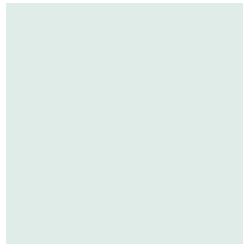


1.5945, 0.8108, 0.5820



# Previews

## White Background



This preview shows how the XYZ color 74.9924, 81.5051, 88.1235 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

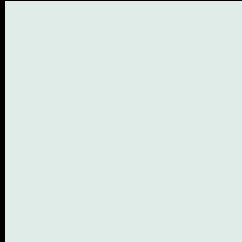
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9924, 81.5051, 88.1235 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

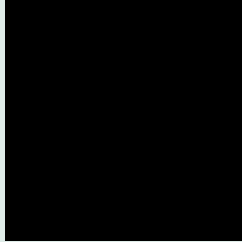
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

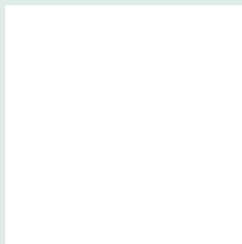
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.9924, 81.5051, 88.1235

## Background



This preview shows how black text looks on a background with the XYZ color 74.9924, 81.5051, 88.1235.



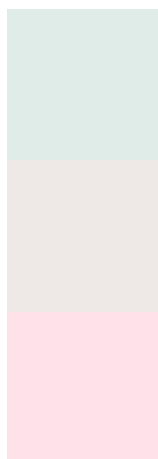
This preview shows how white text looks on a background with the XYZ color 74.9924, 81.5051,

88.1235.

# 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

74.9924, 81.5051, 88.1235

### Protanopia

78.3994, 81.6035, 86.4819

### Deuteranopia

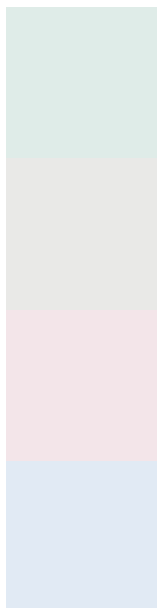
83.0165, 81.0509, 89.1109



## **Tritanopia**

77.9155, 81.4116, 102.8742

# Trichromacy



## Original Color

74.9924, 81.5051, 88.1235

## Protanomaly

77.1670, 81.3710, 87.2403

## Deuteranomaly

79.6894, 80.9765, 88.5207

## Tritanomaly

76.8033, 81.3848, 97.2488

# Monochromacy



## Original Color

74.9924, 81.5051, 88.1235

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.0175, 80.7620, 87.9260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9924, 81.5051, 88.1235 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(223, 236, 232)` looks like.

```
.text, #text, p{  
    color:rgb(223, 236, 232)  
}
```

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(223, 236, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 236, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9924, 81.5051, 88.1235 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(223, 236, 232) }
```



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

```
.border{ border-color:rgb(223, 236, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 236, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 236, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 236, 232); box-shadow:4px 4px 4px 4px rgb(223, 236, 232) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9924, 81.5051, 88.1235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 236, 232) }
```

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

```
.background{ background-color: rgb(223,  
236, 232) }
```

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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