

# Converting Colors

XYZ(78.2872, 84.9698, 76.2328)

Have a look what the booklet for  
XYZ(78.2872, 84.9698, 76.2328)  
contains.

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# Color

**XYZ(78.0573, 84.6438,  
76.5138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDEFD7
RGB	237, 239, 215
RGB Percent	93%, 94%, 84%
CMY	0.0706, 0.0627, 0.1569
CMYK	0.01, 0.00, 0.10, 0.06
HSL	65°, 43%, 89%
HSV	65°, 10%, 94%
XYZ	78.0573, 84.6438, 76.5138
YIQ	235.6660, 6.5120, -7.8880

# Conversions

## Conversions Part 2

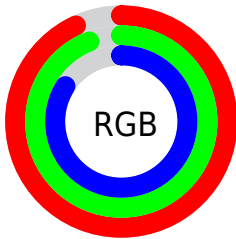
Format	Color
R <sub>Y</sub> B	215, 239, 217
Decimal	15593431
CIE Lab	93.73, -4.74, 11.38
CIE LCh	94, 12.326, 112.611
Yxy	84.6438, 0.3263, 0.3538
Android (android.graphics.Color)	4293783511 (0xFFEDEFD7)
YUV	235.6660, -10.1883, 1.1699
Hunter-Lab	92.0021, -9.5589, 15.0927

# Details

The XYZ color **78.0573, 84.6438, 76.5138** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **68.4989, 69.5868, 91.4871**, and the grayscale version is **79.5473, 83.6900, 91.1384**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3347, 46.2288, 39.9495** is the 20% darker color. If you saturate the color by 10%, you get **74.5460, 83.1655, 61.4722**, and if you desaturate by 10%, it is **82.0294, 86.3128, 93.9224**.

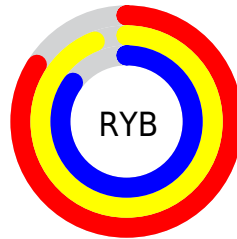
# Distribution



Red (93%)

Green (94%)

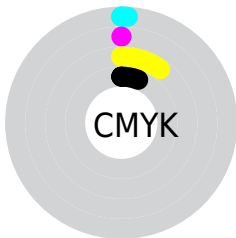
Blue (84%)



Red (84%)

Yellow (94%)

Blue (85%)

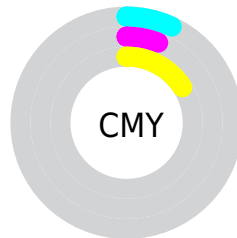


Cyan (1%)

Magenta (0%)

Yellow (10%)

Black (6%)



Cyan (7%)

Magenta (6%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0573, 84.6438, 76.5138 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 78.0573, 84.6438, 76.5138 by changing the saturation by 10% instead.



■ 78.0573, 84.6438,  
76.5138

■ 78.0573, 84.6438,  
76.5138

477.1982,  
510.4487, 502.4983

■ 58.4240, 63.5471,  
56.3447

129.5958,  
139.8754, 130.2197

■ 42.3942, 46.2840,  
40.0735

162.2318,  
174.7791, 164.5936

■ 29.6025, 32.4700,  
27.2817

199.9326,  
215.0539, 204.5395

■ 19.6837, 21.7207,  
17.5506

243.0638,  
261.0843, 250.4759

■ 12.2722, 13.6518,  
10.4617

291.9906,  
313.2545, 302.8215

■ 7.0029, 7.8789,  
5.5966

347.0783,

■ 3.5102, 4.0176,

371.9491, 361.9947

2.5366

408.6924,  
437.5523, 428.4142

■ 1.4290, 1.6834,  
0.8594

■ 0.2767, 0.4129,  
0.0000

■ 78.0573, 84.6438,  
76.5138

■ 78.0573, 84.6438,  
76.5138

■ 74.5460, 83.1655,  
61.4722

■ 82.0294, 86.3128,  
93.9224

■ 71.4691, 81.8590,  
48.6901

■ 85.1915, 87.6559,  
107.0370

■ 68.8081, 80.7198,  
38.0599

■ 85.8766, 88.0091,  
107.0690

■ 66.5406, 79.7388,  
29.4629

■ 86.5692, 88.3662,  
107.1014

64.6418, 78.9061,  
22.7692

87.2693, 88.7271,  
107.1342

63.0840, 78.2106,  
17.8337

87.9769, 89.0919,  
107.1673

61.8359, 77.6399,  
14.4906

88.6921, 89.4606,  
107.2008

60.8599, 77.1789,  
12.5425

89.4149, 89.8332,  
107.2346

60.0954, 76.8036,  
11.6572

90.1453, 90.2097,  
107.2688

# Harmonies

## Analogous

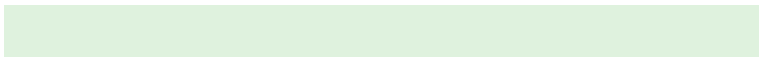
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2630, 84.6438, 75.4281



78.0573, 84.6438, 76.5138



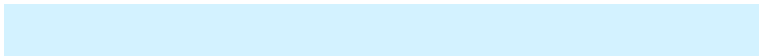
75.5567, 84.6438, 81.6514

# Triad

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



78.0573, 84.6438, 76.5138



76.6922, 84.6438, 107.2287



86.8516, 84.6438, 94.4989

# Complementary

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



78.0573, 84.6438, 76.5138



68.4989, 69.5868, 91.4871

# Split Complementary

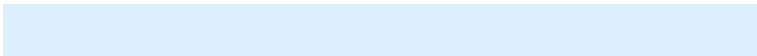
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5530, 84.6438, 103.5394



78.0573, 84.6438, 76.5138



79.6452, 84.6438, 111.2057

# Square

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



78.0573, 84.6438, 76.5138



74.7836, 84.6438, 99.2633



82.8939, 84.6438, 109.8119



86.3986, 84.6438, 85.4091



# Rectangle

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



78.0573, 84.6438, 76.5138



74.5971, 84.6438, 86.8833



82.8939, 84.6438, 109.8119



86.6043, 84.6438, 97.6518

# Sweetspot

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



78.0596, 84.6475, 76.5156



93.6079, 99.3961, 102.5308



72.6779, 72.8849, 74.5289



19.9552, 21.2410, 21.5907



0.0000, 0.0000, 0.0000

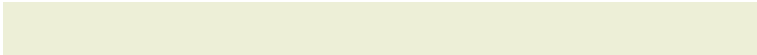


20.3446, 21.4041, 23.3091



# Same Dimension

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



78.0596, 84.6475, 76.5156



89.5749, 97.7021, 84.9431



74.1866, 82.6509, 76.3344



16.9851, 18.3880, 16.8037



33.2629, 42.4692, 6.4442



2.8053, 3.5527, 0.5379



# Inverse Universe

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



68.4989, 69.5868, 91.4871



76.4778, 77.0702, 105.4530



72.1962, 71.4928, 91.6602



15.0196, 15.2918, 19.8816



8.8123, 3.5483, 45.3483

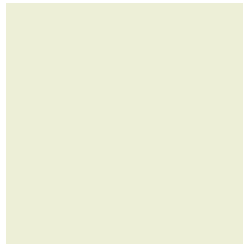


0.7749, 0.3167, 3.7745



# Previews

## White Background



This preview shows how the XYZ color 78.0573, 84.6438, 76.5138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

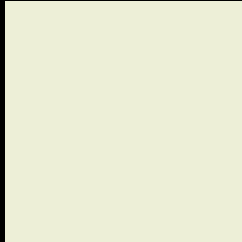
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.0573, 84.6438, 76.5138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

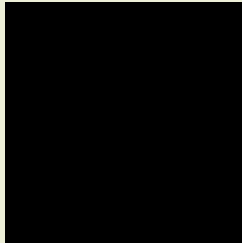
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

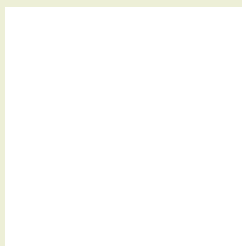
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.0573, 84.6438, 76.5138**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.0573, 84.6438, 76.5138.



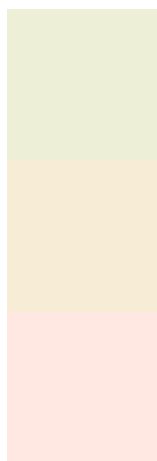
This preview shows how white text looks on a background with the XYZ color 78.0573, 84.6438,



# 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

78.0573, 84.6438, 76.5138

### Protanopia

80.3635, 84.5692, 75.0387

### Deuteranopia

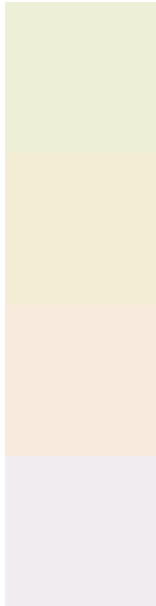
83.8241, 84.4642, 83.8367



## **Tritanopia**

83.6115, 84.7512, 104.0473

# Trichromacy



## Original Color

78.0573, 84.6438, 76.5138

## Protanomaly

79.3839, 84.4781, 75.7403

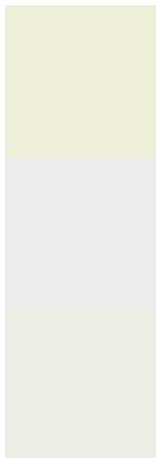
## Deuteranomaly

81.6045, 84.6470, 81.1447

## Tritanomaly

81.5106, 84.7482, 93.7233

# Monochromacy



## Original Color

78.0573, 84.6438, 76.5138

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.8798, 84.0027, 85.4555

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.0573, 84.6438, 76.5138 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(237, 239, 215)` looks like.

```
.text, #text, p{  
    color:rgb(237, 239, 215)  
}
```

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(237, 239, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 239, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 78.0573, 84.6438, 76.5138 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(237, 239, 215) }
```



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

```
.border{ border-color:rgb(237, 239, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 239, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 239, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 239, 215);  
box-shadow:4px 4px 4px 4px rgb(237, 239,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.0573, 84.6438, 76.5138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 239, 215) }
```

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

```
.background{ background-color: rgb(237,  
239, 215) }
```

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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