

# Converting Colors

XYZ(74.9017, 82.5550, 80.2967)

Have a look what the booklet for  
XYZ(74.9017, 82.5550, 80.2967)  
contains.

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# Color

**XYZ(74.9897, 82.5383,  
80.3857)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2EEDD
RGB	226, 238, 221
RGB Percent	89%, 93%, 87%
CMY	0.1137, 0.0666, 0.1333
CMYK	0.05, 0.00, 0.07, 0.07
HSL	102°, 33%, 90%
HSV	102°, 7%, 93%
XYZ	74.9897, 82.5383, 80.3857
YIQ	232.4740, -1.6950, -7.8310

# Conversions

## Conversions Part 2

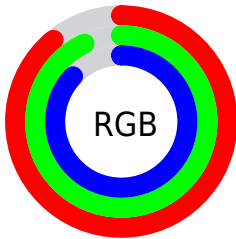
Format	Color
<a href="#">RYB</a>	<a href="#">221, 238, 233</a>
Decimal	<a href="#">14872285</a>
CIELab	<a href="#">92.81, -7.00, 6.85</a>
CIElCh	<a href="#">93, 9.792, 135.636</a>
Yxy	<a href="#">82.5383, 0.3152, 0.3469</a>
Android (android.graphics.Color)	<a href="#">4293062365 (0xFFE2EEDD)</a>
YUV	<a href="#">232.4740, -5.6567, -5.6777</a>
Hunter-Lab	<a href="#">90.8506, -11.6514, 11.1349</a>

# Details

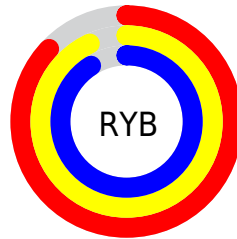
The XYZ color **74.9897, 82.5383, 80.3857** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.8966, 75.2119, 91.4631**, and the grayscale version is **77.1009, 81.1161, 88.3355**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4055, 44.8670, 42.6070** is the 20% darker color. If you saturate the color by 10%, you get **67.0280, 78.7771, 64.6170**, and if you desaturate by 10%, it is **83.9219, 86.7527, 98.5498**.

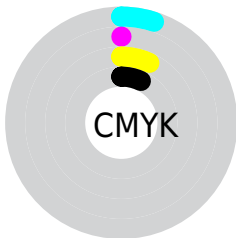
# Distribution



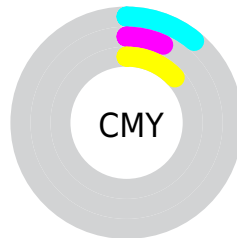
- Red (89%)
- Green (93%)
- Blue (87%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9897, 82.5383, 80.3857 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 74.9897, 82.5383, 80.3857 by changing the saturation by 10% instead.



■ 74.9897, 82.5383,  
80.3857

■ 74.9897, 82.5383,  
80.3857

466.8799,  
503.4465, 515.9727

■ 55.8986, 61.8093,  
59.5078

125.2858,  
136.9286, 135.7242

■ 40.3583, 44.8787,  
42.5993

157.2214,  
171.3588, 171.0218

■ 28.0035, 31.3619,  
29.2418

194.1694,  
211.1248, 211.9630

■ 18.4687, 20.8746,  
19.0166

236.4949,  
256.6111, 258.9664

■ 11.3888, 13.0323,  
11.5054

284.5633,  
308.2020, 312.4506

■ 6.3982, 7.4508,  
6.2894

338.7401,

■ 3.1316, 3.7456,

366.2819, 372.8340

2.9502

399.3905,  
431.2353, 440.5352

■ 1.2237, 1.5323,  
1.0693

■ 0.1250, 0.3113,  
0.0000

■ 74.9897, 82.5383,  
80.3857

■ 74.9897, 82.5383,  
80.3857

■ 67.0280, 78.7771,  
64.6170

■ 83.9219, 86.7527,  
98.5498

■ 59.9965, 75.4432,  
51.1386

■ 89.8662, 89.6323,  
107.1721

■ 53.8617, 72.5243,  
39.8454

■ 48.5858, 70.0031,  
30.6221

■ 44.1277, 67.8614,  
23.3429

■ 40.4430, 66.0792,  
17.8681

■ 37.4824, 64.6346,  
14.0394

■ 35.1900, 63.5029,  
11.6713

■ 33.4977, 62.6541,  
10.5231

# Harmonies

## Analogous

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



77.1334, 82.5383, 76.9889



74.9897, 82.5383, 80.3857



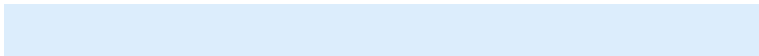
73.7860, 82.5383, 86.4242

# Triad

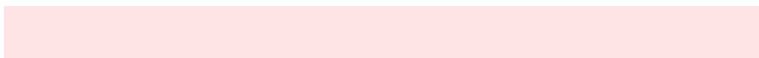
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9897, 82.5383, 80.3857



77.2375, 82.5383, 104.2028



83.2775, 82.5383, 86.1307

# Complementary

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



74.9897, 82.5383, 80.3857



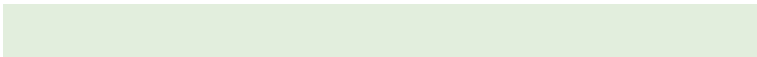
74.8966, 75.2119, 91.4631

# 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.



83.3069, 82.5383, 93.4066



74.9897, 82.5383, 80.3857



79.7819, 82.5383, 104.1136

# Square

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



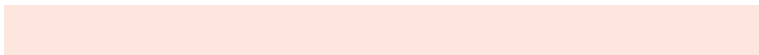
74.9897, 82.5383, 80.3857



75.0645, 82.5383, 100.3102



82.0155, 82.5383, 100.0728



81.9361, 82.5383, 80.1809

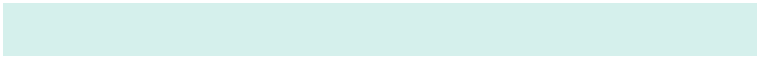


# Rectangle

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



74.9897, 82.5383, 80.3857



73.6614, 82.5383, 91.2591



82.0155, 82.5383, 100.0728



83.4421, 82.5383, 88.4954

# Sweetspot

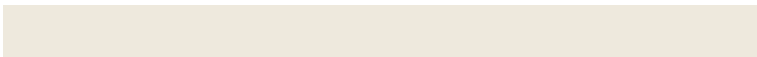
The Sweet Spot groups the original color and five complimentary colors.



74.9920, 82.5419, 80.3875



92.9274, 98.9994, 104.5713



77.4250, 81.6224, 80.0818



19.9126, 21.2004, 22.4279



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

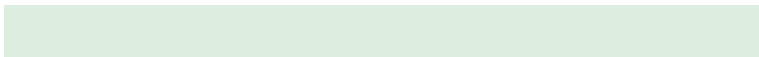
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9920, 82.5419, 80.3875



85.8610, 95.6646, 90.3209



73.9047, 81.9285, 82.7261



16.0026, 17.8815, 16.7578



18.5779, 34.8988, 5.7570



1.6413, 2.9526, 0.4834



# Inverse Universe

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



74.8966, 75.2119, 91.4631



85.7215, 84.9640, 106.4894



76.0570, 75.8673, 88.9335



15.9753, 15.7845, 19.9263



17.7571, 8.1595, 45.7669

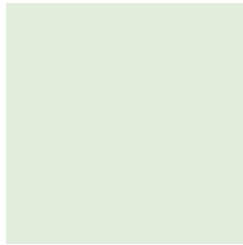


1.5761, 0.7297, 3.8120



# Previews

## White Background



This preview shows how the XYZ color 74.9897, 82.5383, 80.3857 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

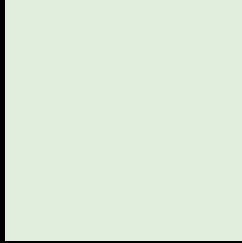
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9897, 82.5383, 80.3857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

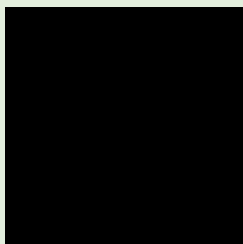
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

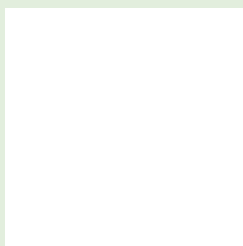
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.9897, 82.5383, 80.3857**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9897, 82.5383, 80.3857.



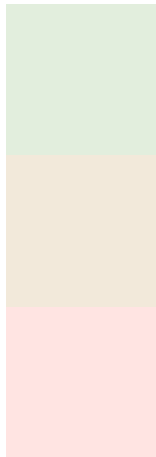
This preview shows how white text looks on a background with the XYZ color 74.9897, 82.5383, 80.3857.



# 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

74.9897, 82.5383, 80.3857

### Protanopia

78.4118, 82.2170, 78.0664

### Deuteranopia

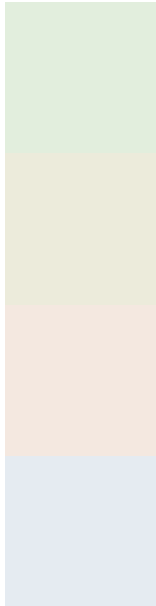
82.7109, 82.2378, 83.4657



## **Tritanopia**

79.6646, 82.2950, 103.7812

# Trichromacy



## Original Color

74.9897, 82.5383, 80.3857

## Protanomaly

77.0866, 82.3640, 78.8528

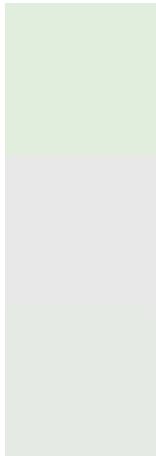
## Deuteranomaly

79.6194, 82.3281, 82.2155

## Tritanomaly

77.8986, 82.4255, 95.0231

# Monochromacy



## Original Color

74.9897, 82.5383, 80.3857

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.0595, 81.2701, 85.0767

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9897, 82.5383, 80.3857 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(226, 238, 221) looks like.

```
.text, #text, p{  
    color:rgb(226, 238, 221)  
}
```

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(226, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 238, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9897, 82.5383, 80.3857 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(226, 238, 221) }
```



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

```
.border{ border-color:rgb(226, 238, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 238, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(226, 238,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9897, 82.5383, 80.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 238, 221) }
```

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

```
.background{ background-color: rgb(226,  
238, 221) }
```

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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