

# Converting Colors

XYZ(75.6874, 81.5923, 73.7339)

Have a look what the booklet for  
XYZ(75.6874, 81.5923, 73.7339)  
contains.

<b>XYZ(75.8529, 81.8323, 74.0847)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(75.8529, 81.8323,  
74.0847)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBEBD4
RGB	235, 235, 212
RGB Percent	92%, 92%, 83%
CMY	0.0784, 0.0784, 0.1686
CMYK	0.00, 0.00, 0.10, 0.08
HSL	60°, 37%, 88%
HSV	60°, 10%, 92%
XYZ	75.8529, 81.8323, 74.0847
YIQ	232.3780, 7.3830, -7.1530

# Conversions

## Conversions Part 2

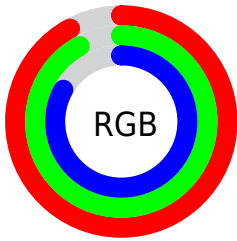
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 235, 212
Decimal	15461332
CIE Lab	92.50, -3.89, 11.16
CIE LCh	93, 11.822, 109.228
Yxy	81.8323, 0.3273, 0.3531
Android (android.graphics.Color)	4293651412 (0xFFEBBD4)
YUV	232.3780, -10.0464, 2.2995
Hunter-Lab	90.4612, -8.6325, 14.7663

# Details

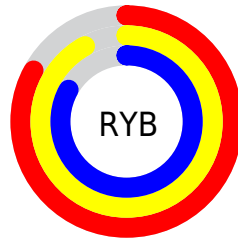
The XYZ color **75.8529, 81.8323, 74.0847** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **65.6935, 67.0844, 88.0879**, and the grayscale version is **77.0559, 81.0688, 88.2839**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7963, 44.2582, 38.2908** is the 20% darker color. If you saturate the color by 10%, you get **73.1008, 80.7339, 59.5911**, and if you desaturate by 10%, it is **79.0410, 83.1104, 90.8544**.

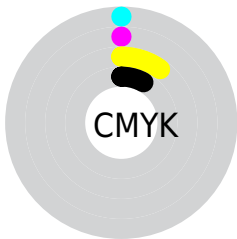
# Distribution



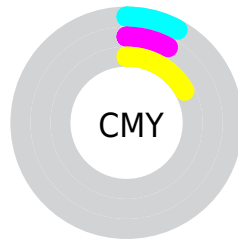
- Red (92%)
- Green (92%)
- Blue (83%)



- Red (83%)
- Yellow (92%)
- Blue (83%)



- Cyan (0%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)



- Cyan (8%)
- Magenta (8%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8529, 81.8323, 74.0847 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 75.8529, 81.8323, 74.0847 by changing the saturation by 10% instead.



75.8529, 81.8323,  
74.0847

75.8529, 81.8323,  
74.0847

469.7961,  
501.0866, 493.9369

56.6085, 61.2273,  
54.3662

126.5004,  
135.9388, 126.7510

40.9299, 44.4086,  
38.4993

158.6343,  
170.2091, 160.5359

28.4518, 30.9919,  
26.0656

195.7953,  
209.8033, 199.8466

18.8087, 20.5927,  
16.6465

238.3489,  
255.1058, 245.1017

11.6353, 12.8266,  
9.8235

286.6605,  
306.5010, 296.7197

6.5663, 7.3092,  
5.1780

341.0953,

3.2363, 3.6562,

364.3732, 355.1193

2.2915

402.0187,  
429.1070, 420.7188

■ 1.2799, 1.4832,  
0.7265

■ 0.1681, 0.2769,  
0.0000

■ 75.8529, 81.8323,  
74.0847

■ 75.8529, 81.8323,  
74.0847

■ 73.1008, 80.7339,  
59.5911

■ 79.0410, 83.1104,  
90.8544

■ 70.7594, 79.7972,  
47.2706


■ 82.0246, 84.3041,  
106.5569


■ 68.8112, 79.0177,  
37.0200


■ 82.0263, 84.3049,  
106.5570


■ 67.2345, 78.3868,  
28.7259


■ 82.0280, 84.3058,  
106.5570


 66.0056, 77.8951,  
22.2638


 82.0297, 84.3067,  
106.5571


 65.0984, 77.5320,  
17.4951


 82.0314, 84.3075,  
106.5572


 64.4826, 77.2855,  
14.2613

 82.0330, 84.3084,  
106.5573

 64.1226, 77.1413,  
12.3741

 82.0347, 84.3093,  
106.5574

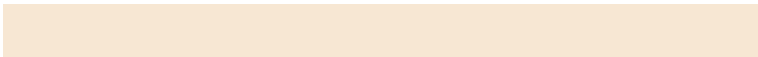
 63.9588, 77.0756,  
11.5203

 82.0364, 84.3101,  
106.5574

# Harmonies

## Analogous

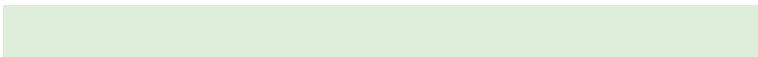
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8868, 81.8323, 73.5162



75.8529, 81.8323, 74.0847



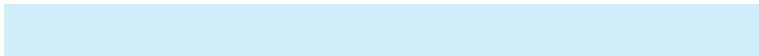
73.3974, 81.8323, 78.5192

# Triad

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



75.8529, 81.8323, 74.0847



73.9906, 81.8323, 102.5157



83.7184, 81.8323, 92.2961

# Complementary

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



75.8529, 81.8323, 74.0847



65.6935, 67.0844, 88.0879

# Split Complementary

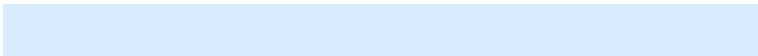
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.3319, 81.8323, 100.5943



75.8529, 81.8323, 74.0847



76.6819, 81.8323, 106.7470

# Square

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



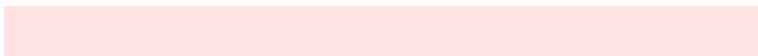
75.8529, 81.8323, 74.0847



72.3419, 81.8323, 94.7808



79.7377, 81.8323, 106.0216



83.4822, 81.8323, 83.6536

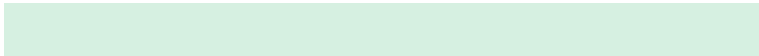


# Rectangle

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



75.8529, 81.8323, 74.0847



72.3937, 81.8323, 83.2439



79.7377, 81.8323, 106.0216



83.4252, 81.8323, 95.2275

# Sweetspot

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



75.8551, 81.8359, 74.0865



93.8420, 99.5167, 102.5418



69.6907, 69.5046, 72.0312



20.0187, 21.2737, 21.5937



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

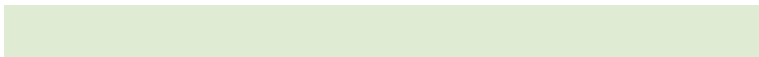
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8551, 81.8359, 74.0865



90.5064, 98.1823, 84.9866



72.1808, 79.9417, 73.9145



16.3517, 17.6268, 16.0592



35.5926, 42.8931, 6.4033



2.7950, 3.3682, 0.5028



# Inverse Universe

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



65.6935, 67.0844, 88.0879



75.6800, 76.6589, 105.4156



69.1271, 68.8545, 88.2485



14.2316, 14.5491, 18.9804



8.3461, 3.3385, 43.9475

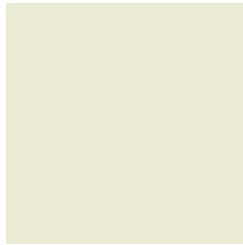


0.6555, 0.2622, 3.4509



# Previews

## White Background



This preview shows how the XYZ color 75.8529, 81.8323, 74.0847 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

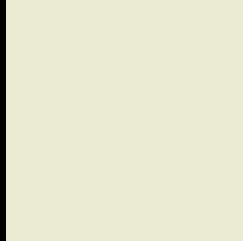
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8529, 81.8323, 74.0847 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

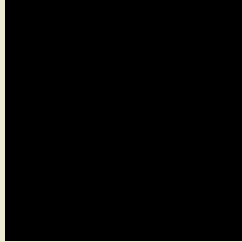
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

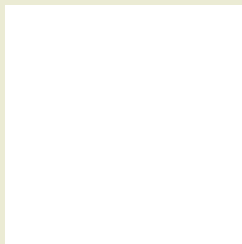
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.8529, 81.8323, 74.0847**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.8529, 81.8323, 74.0847.



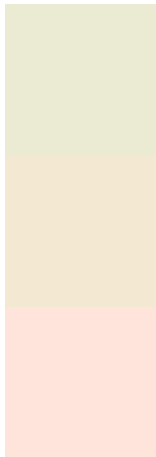
This preview shows how white text looks on a background with the XYZ color 75.8529, 81.8323,



# 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

75.8529, 81.8323, 74.0847

### Protanopia

77.8589, 82.0357, 73.3589

### Deuteranopia

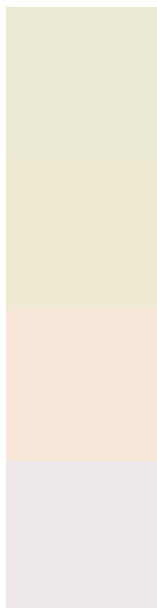
81.9017, 81.9141, 79.2045



## Tritanopia

81.1753, 81.8962, 100.3361

# Trichromacy



## Original Color

75.8529, 81.8323, 74.0847

## Protanomaly

77.1159, 82.0741, 73.4055

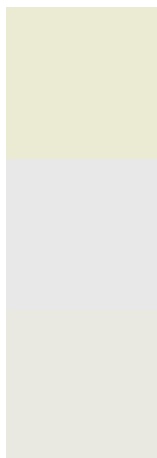
## Deuteranomaly

79.8117, 82.1180, 77.2895

## Tritanomaly

79.1119, 81.8885, 90.2337

# Monochromacy



## Original Color

75.8529, 81.8323, 74.0847

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.3338, 81.0377, 82.8528

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8529, 81.8323, 74.0847 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(235, 235, 212)` looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 212)  
}
```

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(235, 235, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8529, 81.8323, 74.0847 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(235, 235, 212) }
```



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

```
.border{ border-color:rgb(235, 235, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 235, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 235, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 235, 212);  
box-shadow:4px 4px 4px 4px rgb(235, 235,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8529, 81.8323, 74.0847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 212) }
```

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

```
.background{ background-color: rgb(235,  
235, 212) }
```

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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