

# Converting Colors

XYZ(76.5866, 79.2442, 77.9815)

Have a look what the booklet for  
XYZ(76.5866, 79.2442, 77.9815)  
contains.

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# Color

**XYZ(76.4648, 79.1265,  
78.2607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E4DB
RGB	240, 228, 219
RGB Percent	94%, 89%, 86%
CMY	0.0588, 0.1059, 0.1412
CMYK	0.00, 0.05, 0.09, 0.06
HSL	26°, 41%, 90%
HSV	26°, 9%, 94%
XYZ	76.4648, 79.1265, 78.2607
YIQ	230.5620, 10.0410, -0.2550

# Conversions

## Conversions Part 2

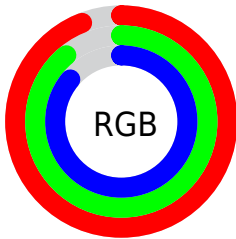
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 235, 219
Decimal	15787227
CIE Lab	91.29, 2.56, 5.83
CIE LCh	91, 6.371, 66.275
Yxy	79.1265, 0.3270, 0.3384
Android (android.graphics.Color)	4293977307 (0xFFFF0E4DB)
YUV	230.5620, -5.7001, 8.2771
Hunter-Lab	88.9531, -2.2278, 10.1040

# Details

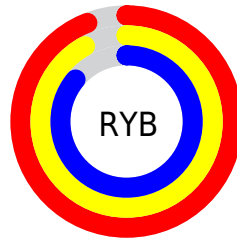
The XYZ color **76.4648, 79.1265, 78.2607** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.5175, 78.5021, 93.7167**, and the grayscale version is **75.6678, 79.6084, 86.6936**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4116, 42.7578, 41.1924** is the 20% darker color. If you saturate the color by 10%, you get **69.9077, 70.7088, 61.5943**, and if you desaturate by 10%, it is **83.7810, 88.3316, 97.4295**.

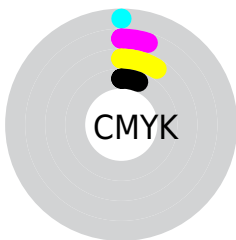
# Distribution



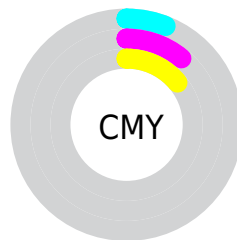
- Red (94%)
- Green (89%)
- Blue (86%)



- Red (94%)
- Yellow (92%)
- Blue (86%)



- Cyan (0%)
- Magenta (5%)
- Yellow (9%)
- Black (6%)



- Cyan (6%)
- Magenta (11%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4648, 79.1265, 78.2607 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 76.4648, 79.1265, 78.2607 by changing the saturation by 10% instead.



76.4648, 79.1265,  
78.2607

76.4648, 79.1265,  
78.2607

471.8573,  
491.9842, 508.6031

57.1121, 58.9998,  
57.7704

127.3606,  
132.1369, 132.7068

41.3357, 42.6130,  
41.2106

159.6344,  
165.7895, 167.4997

28.7704, 29.5816,  
28.1628

196.9459,  
204.7194, 207.8972

19.0506, 19.5212,  
18.2083

239.6606,  
249.3112, 254.3179

11.8110, 12.0475,  
10.9286

288.1437,  
299.9492, 307.1803

6.6864, 6.7760,  
5.9053

342.7606,

3.3114, 3.3224,

357.0177, 366.9029

2.7197

403.8767,  
420.9013, 433.9043

■ 1.3205, 1.3023,  
0.9533

■ 0.1985, 0.1430,  
0.0000

■ 76.4648, 79.1265,  
78.2607

■ 76.4648, 79.1265,  
78.2607

■ 69.9077, 70.7088,  
61.5943

■ 83.7810, 88.3316,  
97.4295

■ 64.0768, 63.0465,  
47.3208

■ 89.7456, 97.2655,  
108.6518

■ 58.9463, 56.1204,  
35.3298

■ 54.4864, 49.9068,  
25.5005

■ 50.6647, 44.3802,  
17.7006

■ 47.4457, 39.5135,  
11.7830

■ 44.7896, 35.2773,  
7.5806

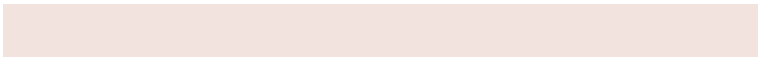
■ 42.6506, 31.6389,  
4.8959

■ 40.9649, 28.5577,  
3.4393

# Harmonies

## Analogous

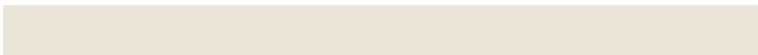
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7409, 79.1265, 80.9955



76.4648, 79.1265, 78.2607



74.8682, 79.1265, 77.6070

# Triad

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



76.4648, 79.1265, 78.2607



72.1601, 79.1265, 87.1319



77.0613, 79.1265, 93.5323

# Complementary

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



76.4648, 79.1265, 78.2607



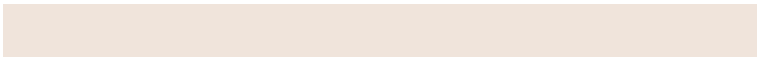
73.5175, 78.5021, 93.7167

# 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.



75.5476, 79.1265, 95.3094



76.4648, 79.1265, 78.2607



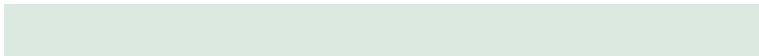
72.7295, 79.1265, 91.5298

# Square

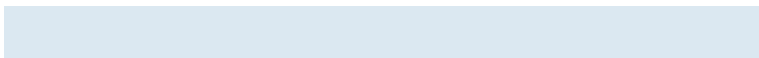
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4648, 79.1265, 78.2607



72.3978, 79.1265, 82.6234



73.9638, 79.1265, 94.5637

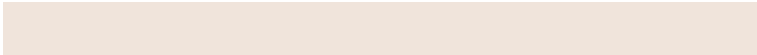


78.0887, 79.1265, 89.7865



# Rectangle

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



76.4648, 79.1265, 78.2607



73.8399, 79.1265, 78.4178



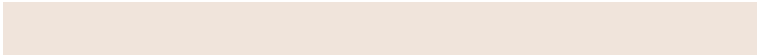
73.9638, 79.1265, 94.5637



76.5916, 79.1265, 94.3857

# Sweetspot

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



76.4670, 79.1300, 78.2624



92.4643, 96.7605, 102.0824



75.7270, 74.9732, 86.2677



19.6462, 20.5284, 21.4695



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

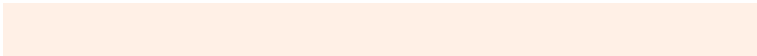


# Same Dimension

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



76.4670, 79.1300, 78.2624



86.7407, 89.5209, 87.2028



79.3698, 84.9356, 79.2300



16.3301, 16.8733, 16.5459



22.4474, 15.6929, 1.8459



1.9642, 1.4991, 0.1858

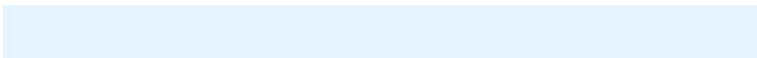


# Inverse Universe

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



73.5175, 78.5021, 93.7167



82.8936, 88.7018, 107.3599



70.7332, 72.9336, 92.7886



15.6469, 16.7278, 20.1257



13.6491, 13.5224, 47.0186

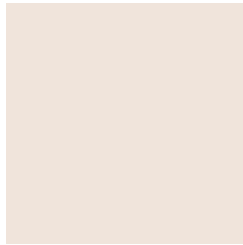


1.2340, 1.3220, 3.9444



# Previews

## White Background



This preview shows how the XYZ color 76.4648, 79.1265, 78.2607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

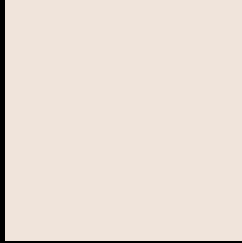
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.4648, 79.1265, 78.2607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

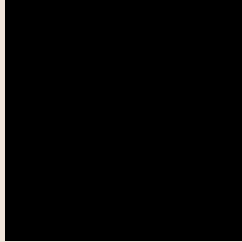
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

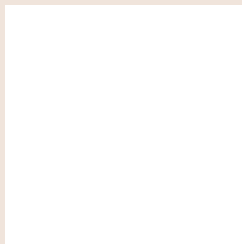
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.4648, 79.1265, 78.2607**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.4648, 79.1265, 78.2607.



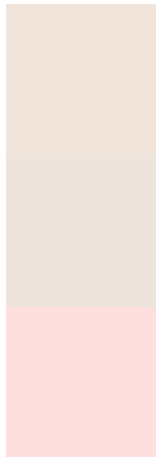
This preview shows how white text looks on a background with the XYZ color 76.4648, 79.1265,



# 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

76.4648, 79.1265, 78.2607

### Protanopia

75.8626, 79.2105, 79.0009

### Deuteranopia

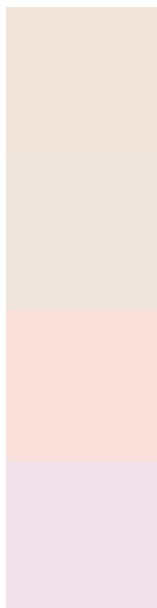
80.6788, 79.2558, 79.4523



## Tritanopia

79.9144, 79.3159, 95.1020

# Trichromacy



## Original Color

76.4648, 79.1265, 78.2607

## Protanomaly

76.1975, 79.3831, 79.0166

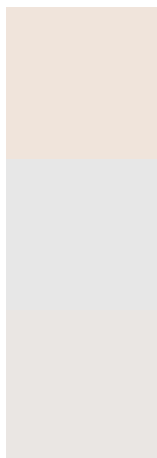
## Deuteranomaly

79.2678, 79.3417, 78.8468

## Tritanomaly

78.6656, 79.2105, 88.9849

# Monochromacy



## Original Color

76.4648, 79.1265, 78.2607

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.0936, 79.6321, 84.0330

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4648, 79.1265, 78.2607 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(240, 228, 219) looks like.

```
.text, #text, p{  
    color:rgb(240, 228, 219)  
}
```

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(240, 228, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 228, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4648, 79.1265, 78.2607 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(240, 228, 219) }
```



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

```
.border{ border-color:rgb(240, 228, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 228, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 228, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 228, 219);  
box-shadow:4px 4px 4px 4px rgb(240, 228,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4648, 79.1265, 78.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 228, 219) }
```

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

```
.background{ background-color: rgb(240,  
228, 219) }
```

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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