

# Converting Colors

XYZ(76.2782, 78.0272, 76.3900)

Have a look what the booklet for  
XYZ(76.2782, 78.0272, 76.3900)  
contains.

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# **Color**

**XYZ(76.0675, 77.7374,  
76.6413)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E1D9
RGB	242, 225, 217
RGB Percent	95%, 88%, 85%
CMY	0.0510, 0.1176, 0.1490
CMYK	0.00, 0.07, 0.10, 0.05
HSL	19°, 49%, 90%
HSV	19°, 10%, 95%
XYZ	76.0675, 77.7374, 76.6413
YIQ	229.1710, 12.7000, 1.1160

# Conversions

## Conversions Part 2

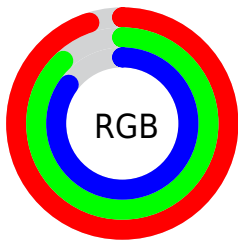
Format	Color
R <sub>Y</sub> B	242, 229, 217
Decimal	15917529
CIE Lab	90.66, 4.48, 5.99
CIE LCh	91, 7.477, 53.204
Yxy	77.7374, 0.3301, 0.3373
Android (android.graphics.Color)	4294107609 (0xFFFF2E1D9)
YUV	229.1710, -6.0003, 11.2510
Hunter-Lab	88.1688, -0.2948, 10.1800

# Details

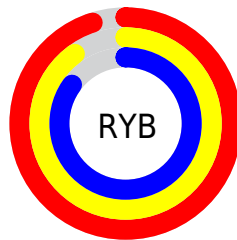
The XYZ color **76.0675, 77.7374, 76.6413** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.0648, 80.0066, 95.5443**, and the grayscale version is **74.6400, 78.5271, 85.5160**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1460, 41.7972, 40.0815** is the 20% darker color. If you saturate the color by 10%, you get **68.9130, 68.1012, 59.8488**, and if you desaturate by 10%, it is **84.1165, 88.4222, 96.0110**.

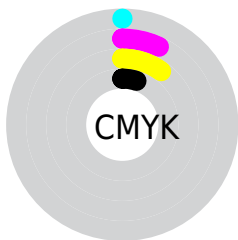
# Distribution



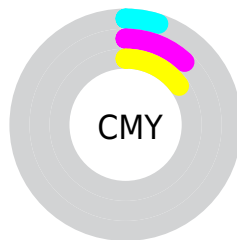
- Red (95%)
- Green (88%)
- Blue (85%)



- Red (95%)
- Yellow (90%)
- Blue (85%)



- Cyan (0%)
- Magenta (7%)
- Yellow (10%)
- Black (5%)




- Cyan (5%)
- Magenta (12%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0675, 77.7374, 76.6413 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 76.0675, 77.7374, 76.6413 by changing the saturation by 10% instead.




 76.0675, 77.7374,  
76.6413

 76.0675, 77.7374,  
76.6413


470.5196,  
487.2745, 502.9453

 56.7851, 57.8583,  
56.4487


126.8022,  
130.1799, 130.4014

 41.0722, 41.6947,  
40.1564

158.9851,  
163.5120, 164.8060

 28.5634, 28.8623,  
27.3458


196.1990,  
202.0973, 204.7850

 18.8934, 18.9767,  
17.5984

238.8092,  
246.3201, 250.7570

 11.6968, 11.6534,  
10.4956

287.1810,  
296.5649, 303.1405

 6.6083, 6.5082,  
5.6189

341.6797,

 3.2625, 3.1565,

353.2159, 362.3540

2.5497

402.6708,  
416.6577, 428.8161

■ 1.2941, 1.2140,  
0.8663

■ 0.1788, 0.0731,  
0.0000

■ 76.0675, 77.7374,  
76.6413

■ 76.0675, 77.7374,  
76.6413

■ 68.9130, 68.1012,  
59.8488

■ 84.1165, 88.4222,  
96.0110

■ 62.6144, 59.4712,  
45.5192

■ 90.4283, 97.6174,  
108.6837

■ 57.1399, 51.8171,  
33.5368

■ 52.4530, 45.1030,  
23.7746

■ 48.5141, 39.2909,  
16.0936

■ 45.2801, 34.3400,  
10.3387

■ 42.7026, 30.2056,  
6.3329

■ 40.7258, 26.8385,  
3.8657

■ 39.3060, 24.2530,  
2.6096

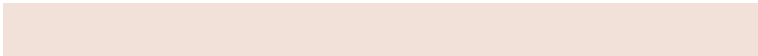
# Harmonies

## Analogous

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



77.2503, 77.7374, 80.6396



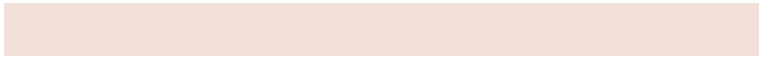
76.0675, 77.7374, 76.6413



74.3145, 77.7374, 74.7990

# Triad

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



76.0675, 77.7374, 76.6413



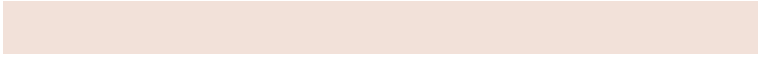
70.3648, 77.7374, 83.4269



75.3166, 77.7374, 94.4914

# Complementary

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



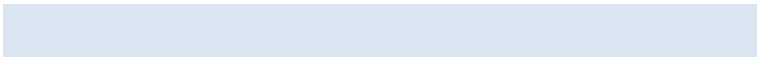
76.0675, 77.7374, 76.6413



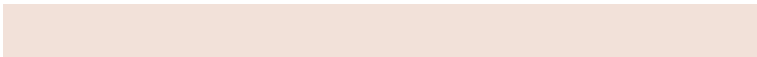
74.0648, 80.0066, 95.5443

# 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.



73.4613, 77.7374, 95.3145



76.0675, 77.7374, 76.6413



70.6229, 77.7374, 88.7764

# Square

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



76.0675, 77.7374, 76.6413



71.0376, 77.7374, 78.6080



71.7487, 77.7374, 93.1827



76.8117, 77.7374, 90.9788



# Rectangle

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



76.0675, 77.7374, 76.6413



73.0666, 77.7374, 74.9837



71.7487, 77.7374, 93.1827



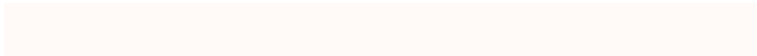
74.7136, 77.7374, 95.0977

# Sweetspot

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



76.0696, 77.7408, 76.6430



92.2059, 96.2436, 101.9962



76.2950, 74.4493, 88.2545



19.5765, 20.3891, 21.4463



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

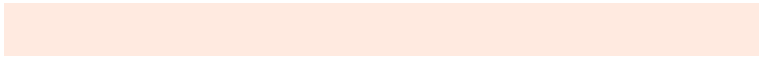


# Same Dimension

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



76.0696, 77.7408, 76.6430



84.2279, 85.6216, 82.8931



79.5481, 84.6978, 77.8025



16.1859, 16.5849, 16.4978



21.2244, 13.2468, 1.4382



1.8522, 1.2750, 0.1485

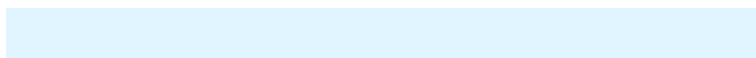


# Inverse Universe

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



74.0648, 80.0066, 95.5443



81.6283, 88.5588, 107.3990



70.6541, 73.1851, 94.4074



15.7959, 17.0258, 20.1754



15.9201, 18.0645, 47.7756

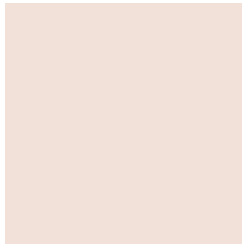


1.4138, 1.6816, 4.0043



# Previews

## White Background



This preview shows how the XYZ color 76.0675, 77.7374, 76.6413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

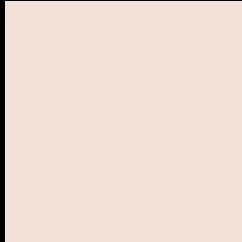
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0675, 77.7374, 76.6413 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

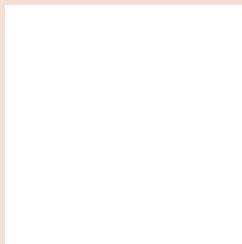
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.0675, 77.7374, 76.6413**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.0675, 77.7374, 76.6413.



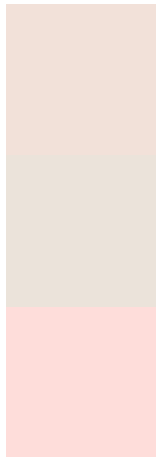
This preview shows how white text looks on a background with the XYZ color 76.0675, 77.7374,



# 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

76.0675, 77.7374, 76.6413

### Protanopia

74.3849, 77.6623, 77.3995

### Deuteranopia

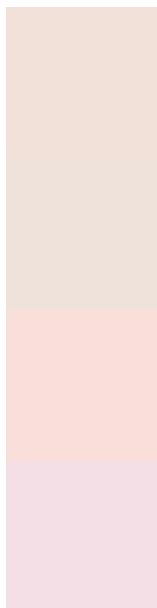
79.3844, 77.8457, 77.1714



## Tritanopia

79.3575, 77.8870, 92.5125

# Trichromacy



## Original Color

76.0675, 77.7374, 76.6413

## Protanomaly

75.1111, 77.6318, 77.3553

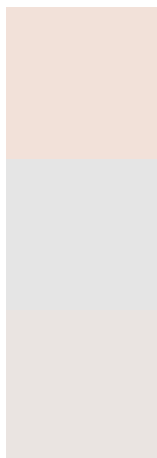
## Deuteranomaly

78.2005, 77.6285, 77.1919

## Tritanomaly

78.1197, 77.7780, 86.4966

# Monochromacy



## Original Color

76.0675, 77.7374, 76.6413

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

75.2657, 78.4155, 82.4029

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.0675, 77.7374, 76.6413 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(242, 225, 217) looks like.

```
.text, #text, p{  
    color:rgb(242, 225, 217)  
}
```

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(242, 225, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 225, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0675, 77.7374, 76.6413 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(242, 225, 217) }
```



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

```
.border{ border-color:rgb(242, 225, 217) }
```

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

Here you see how a box with a 4 pixel rgb(242, 225, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 225, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 225, 217);  
box-shadow:4px 4px 4px 4px rgb(242, 225,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0675, 77.7374, 76.6413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 225, 217) }
```

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

```
.background{ background-color: rgb(242,  
225, 217) }
```

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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