

# Converting Colors

XYZ(77.4621, 79.0341, 75.9863)

Have a look what the booklet for  
XYZ(77.4621, 79.0341, 75.9863)  
contains.

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# Color

**XYZ(77.2472, 78.7631,  
76.0972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E2D8
RGB	245, 226, 216
RGB Percent	96%, 89%, 85%
CMY	0.0392, 0.1137, 0.1529
CMYK	0.00, 0.08, 0.12, 0.04
HSL	21°, 59%, 90%
HSV	21°, 12%, 96%
XYZ	77.2472, 78.7631, 76.0972
YIQ	230.5410, 14.5340, 0.9180

# Conversions

## Conversions Part 2

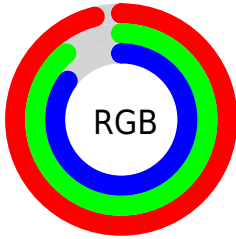
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 231, 216
Decimal	16114392
CIE Lab	91.13, 4.85, 7.21
CIE LCh	91, 8.695, 56.074
Yxy	78.7631, 0.3328, 0.3393
Android (android.graphics.Color)	4294304472 (0xFFFF5E2D8)
YUV	230.5410, -7.1687, 12.6805
Hunter-Lab	88.7486, 0.0573, 11.2860

# Details

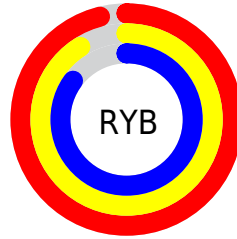
The XYZ color **77.2472, 78.7631, 76.0972** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.5083, 80.6065, 98.0185**, and the grayscale version is **75.6604, 79.6007, 86.6851**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9822, 42.5178, 39.7123** is the 20% darker color. If you saturate the color by 10%, you get **70.1520, 69.2689, 59.2529**, and if you desaturate by 10%, it is **85.2275, 89.2701, 95.5683**.

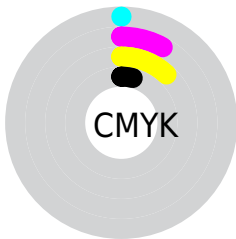
# Distribution



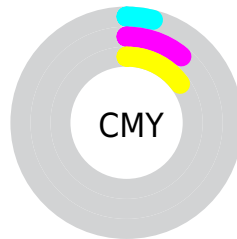
- Red (96%)
- Green (89%)
- Blue (85%)



- Red (96%)
- Yellow (91%)
- Blue (85%)



- Cyan (0%)
- Magenta (8%)
- Yellow (12%)
- Black (4%)



- Cyan (4%)
- Magenta (11%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2472, 78.7631, 76.0972 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 77.2472, 78.7631, 76.0972 by changing the saturation by 10% instead.



77.2472, 78.7631,  
76.0972

77.2472, 78.7631,  
76.0972

474.4855,  
490.7546, 501.0361

57.7564, 58.7011,  
56.0051

128.4594,  
131.6253, 129.6256

41.8554, 42.3725,  
39.8030

160.9114,  
165.1942, 163.8990

29.1787, 29.3931,  
27.0723

198.4147,  
204.0343, 203.7366

19.3610, 19.3784,  
17.3946

241.3344,  
248.5298, 249.5569

12.0370, 11.9440,  
10.3513

290.0360,  
299.0652, 301.7785

6.8412, 6.7056,  
5.5239

344.8848,

3.4084, 3.2787,

356.0248, 360.8198

2.4937

406.2462,  
419.7932, 427.0995

■ 1.3733, 1.2789,  
0.8368

■ 0.2371, 0.1248,  
0.0000

■ 77.2472, 78.7631,  
76.0972

■ 77.2472, 78.7631,  
76.0972

■ 70.1520, 69.2689,  
59.2529

■ 85.2275, 89.2701,  
95.5683

■ 63.9035, 60.7464,  
44.9171

■ 91.4665, 98.1526,  
108.7323

■ 58.4698, 53.1668,  
32.9695

■ 53.8143, 46.4961,  
23.2783

■ 49.8975, 40.6978,  
15.6983

■ 46.6760, 35.7329,  
10.0675

■ 44.1009, 31.5588,  
6.1996

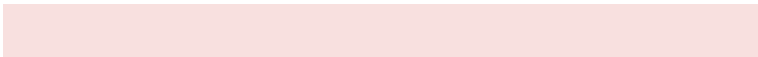
■ 42.1153, 28.1282,  
3.8714

■ 40.8675, 25.8347,  
2.8326

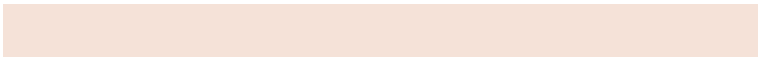
# Harmonies

## Analogous

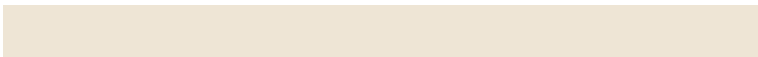
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7253, 78.7631, 80.5455



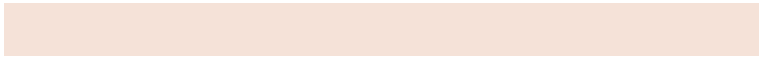
77.2472, 78.7631, 76.0972



75.1519, 78.7631, 74.2349

# Triad

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



77.2472, 78.7631, 76.0972



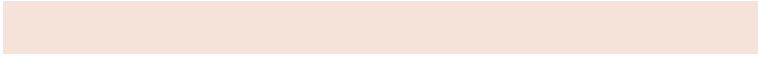
70.7216, 78.7631, 84.9330



76.7362, 78.7631, 97.1053

# Complementary

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



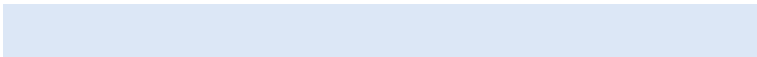
77.2472, 78.7631, 76.0972



74.5083, 80.6065, 98.0185

# 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.



74.5728, 78.7631, 98.4194



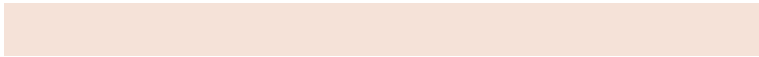
77.2472, 78.7631, 76.0972



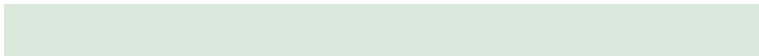
71.1272, 78.7631, 91.1941

# Square

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



77.2472, 78.7631, 76.0972



71.4074, 78.7631, 79.1758



72.5263, 78.7631, 96.2072



78.4262, 78.7631, 92.6986

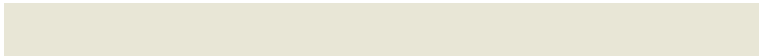


# Rectangle

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



77.2472, 78.7631, 76.0972



73.6971, 78.7631, 74.6399



72.5263, 78.7631, 96.2072



76.0390, 78.7631, 97.9323

# Sweetspot

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



77.2494, 78.7666, 76.0989



91.3564, 95.1714, 99.7811



77.2566, 74.5427, 89.1672



19.4092, 20.1806, 21.0016



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

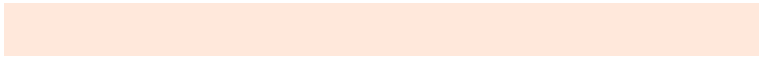


# Same Dimension

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



77.2494, 78.7666, 76.0989



82.8144, 83.8876, 79.0522



81.2608, 86.7895, 77.4360



16.9666, 17.4173, 17.2652



22.1320, 14.1495, 1.5646



2.0373, 1.4277, 0.1682

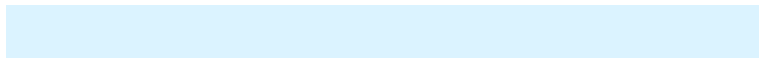


# Inverse Universe

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



74.5083, 80.6065, 98.0185



79.3098, 86.2388, 107.0734



70.6138, 72.8176, 96.7203



16.4874, 17.7390, 21.0976



15.8299, 17.4536, 49.0726

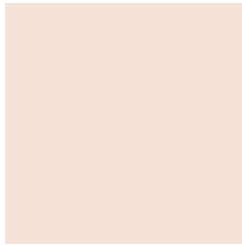


1.4869, 1.7252, 4.3449



# Previews

## White Background



This preview shows how the XYZ color 77.2472, 78.7631, 76.0972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

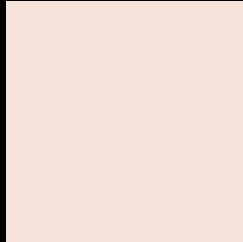
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2472, 78.7631, 76.0972 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

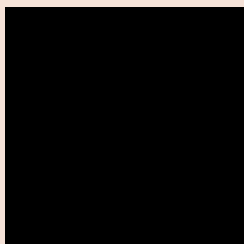
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

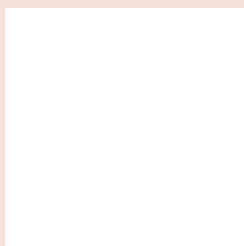
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 77.2472, 78.7631, 76.0972**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2472, 78.7631, 76.0972.



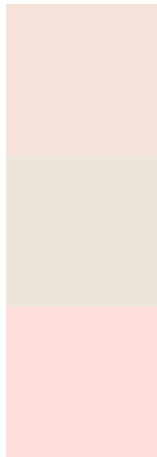
This preview shows how white text looks on a background with the XYZ color 77.2472, 78.7631,



# 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

77.2472, 78.7631, 76.0972

### Protanopia

75.4687, 79.0529, 76.9267

### Deuteranopia

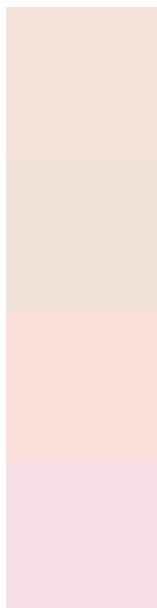
80.0162, 78.5645, 77.2768



## Tritanopia

80.5609, 78.4903, 93.3422

# Trichromacy



## Original Color

77.2472, 78.7631, 76.0972

## Protanomaly

76.2030, 79.0218, 76.8821

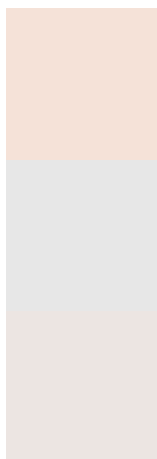
## Deuteranomaly

78.6957, 78.2943, 76.6102

## Tritanomaly

79.1693, 78.3190, 86.5457

# Monochromacy



## Original Color

77.2472, 78.7631, 76.0972

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.3388, 79.3625, 83.2465

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2472, 78.7631, 76.0972 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(245, 226, 216) looks like.

```
.text, #text, p{  
    color:rgb(245, 226, 216)  
}
```

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(245, 226, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 226, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2472, 78.7631, 76.0972 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(245, 226, 216) }
```



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

```
.border{ border-color:rgb(245, 226, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 226, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 226, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 226, 216);  
box-shadow:4px 4px 4px 4px rgb(245, 226,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2472, 78.7631, 76.0972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 226, 216) }
```

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

```
.background{ background-color: rgb(245,  
226, 216) }
```

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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