

# Converting Colors

XYZ(75.3670, 77.5682, 79.5591)

Have a look what the booklet for  
XYZ(75.3670, 77.5682, 79.5591)  
contains.

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# **Color**

**XYZ(75.5074, 77.7903,  
79.4420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEE2DD
RGB	238, 226, 221
RGB Percent	93%, 89%, 87%
CMY	0.0667, 0.1137, 0.1333
CMYK	0.00, 0.05, 0.07, 0.07
HSL	18°, 33%, 90%
HSV	18°, 7%, 93%
XYZ	75.5074, 77.7903, 79.4420
YIQ	229.0180, 8.7570, 0.9890

# Conversions

## Conversions Part 2

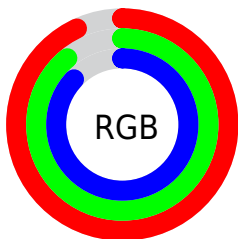
Format	Color
R <sub>Y</sub> B	238, 228, 221
Decimal	15655645
CIE Lab	90.68, 3.23, 3.89
CIE LCh	91, 5.056, 50.263
Yxy	77.7903, 0.3244, 0.3342
Android (android.graphics.Color)	4293845725 (0xFFEEE2DD)
YUV	229.0180, -3.9529, 7.8772
Hunter-Lab	88.1988, -1.5333, 8.3358

# Details

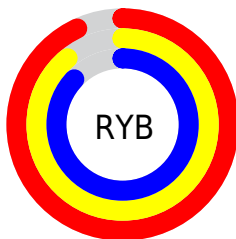
The XYZ color **75.5074, 77.7903, 79.4420** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.3902, 79.8218, 92.3762**, and the grayscale version is **74.5149, 78.3955, 85.3727**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7372, 41.8241, 42.0022** is the 20% darker color. If you saturate the color by 10%, you get **68.2138, 67.9226, 62.4596**, and if you desaturate by 10%, it is **83.7022, 88.7393, 98.9444**.

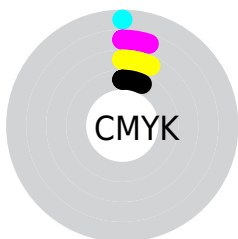
# Distribution



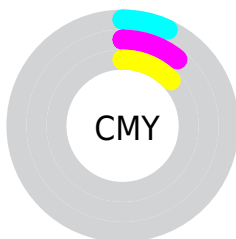
- Red (93%)
- Green (89%)
- Blue (87%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.5074, 77.7903, 79.4420 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 75.5074, 77.7903, 79.4420 by changing the saturation by 10% instead.




 75.5074, 77.7903,  
79.4420

 75.5074, 77.7903,  
79.4420

468.6301,  
487.4544, 512.7074

 56.3243, 57.9017,  
58.7358


126.0144,  
130.2545, 134.3852

 40.7010, 41.7297,  
41.9819


158.0691,  
163.5989, 169.4594

 28.2722, 28.8897,  
28.7616


195.1449,  
202.1973, 210.1599

 18.6724, 18.9974,  
18.6566

237.6074,  
246.4342, 256.9054

 11.5364, 11.6684,  
11.2481

285.8218,  
296.6940, 310.1143

 6.4988, 6.5183,  
6.1177

340.1534,

 3.1942, 3.1627,

353.3610, 370.2053

2.8468

400.9678,  
416.8197, 437.5968

■ 1.2573, 1.2173,  
1.0170

■ 0.1509, 0.0757,  
0.0000

■ 75.5074, 77.7903,  
79.4420

■ 75.5074, 77.7903,  
79.4420

■ 68.2138, 67.9226,  
62.4596

■ 83.7022, 88.7393,  
98.9444

■ 61.7834, 59.0928,  
47.8888

■ 89.0703, 96.9174,  
108.6202

■ 56.1847, 51.2695,  
35.6209

■ 51.3821, 44.4159,  
25.5365

■ 47.3367, 38.4929,  
17.5056

■ 44.0067, 33.4584,  
11.3843

■ 41.3453, 29.2669,  
7.0095

■ 39.2994, 25.8682,  
4.1907

■ 37.8040, 23.2051,  
2.6818

# Harmonies

## Analogous

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



76.2489, 77.7903, 82.3043



75.5074, 77.7903, 79.4420



74.3506, 77.7903, 78.0012

# Triad

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



75.5074, 77.7903, 79.4420



71.5596, 77.7903, 83.5246



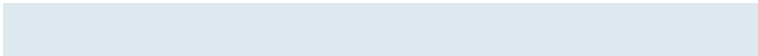
74.7852, 77.7903, 91.4233

# Complementary

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



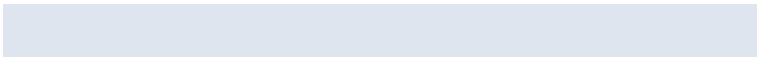
75.5074, 77.7903, 79.4420



74.3902, 79.8218, 92.3762

# 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.



73.5256, 77.7903, 91.7727



75.5074, 77.7903, 79.4420



71.6729, 77.7903, 87.1425

# Square

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



75.5074, 77.7903, 79.4420



72.0777, 77.7903, 80.3134



72.3892, 77.7903, 90.1859



75.8287, 77.7903, 89.2444

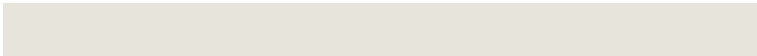


# Rectangle

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



75.5074, 77.7903, 79.4420



73.5037, 77.7903, 78.0117



72.3892, 77.7903, 90.1859



74.3727, 77.7903, 91.7609

# Sweetspot

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



75.5096, 77.7937, 79.4437



93.1023, 97.4012, 104.2536



75.8516, 75.7849, 87.8593



19.9482, 20.8752, 22.3632



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

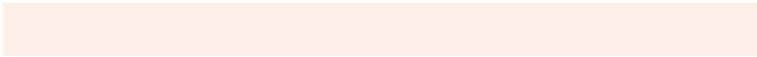


# Same Dimension

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



75.5096, 77.7937, 79.4437



86.6222, 88.7083, 88.9381



77.8251, 82.4248, 80.2155



16.1519, 16.5170, 16.4865



20.9927, 12.7835, 1.3610



1.8295, 1.2296, 0.1409

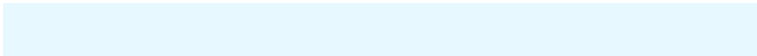


# Inverse Universe

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



74.3902, 79.8218, 92.3762



84.9875, 91.6694, 107.8224



72.0922, 75.2257, 91.6102



15.8316, 17.0973, 20.1873



16.5334, 19.2911, 47.9800

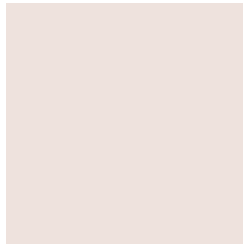


1.4612, 1.7763, 4.0201



# Previews

## White Background



This preview shows how the XYZ color 75.5074, 77.7903, 79.4420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

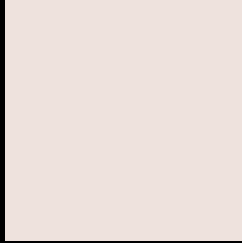
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.5074, 77.7903, 79.4420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

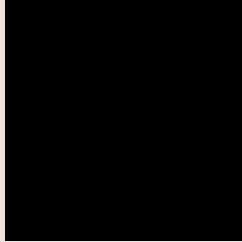
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

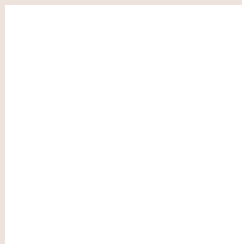
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.5074, 77.7903, 79.4420

## Background



This preview shows how black text looks on a background with the XYZ color 75.5074, 77.7903, 79.4420.



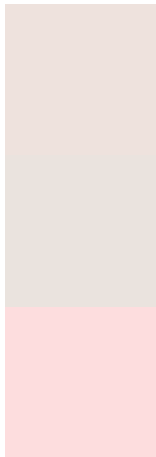
This preview shows how white text looks on a background with the XYZ color 75.5074, 77.7903,

79.4420.

# 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

75.5074, 77.7903, 79.4420

### Protanopia

74.5856, 77.7045, 80.1746

### Deuteranopia

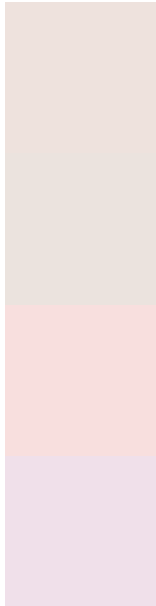
79.5493, 77.8695, 79.9449



## Tritanopia

78.5405, 77.8270, 94.1017

# Trichromacy



## Original Color

75.5074, 77.7903, 79.4420

## Protanomaly

74.9149, 77.8743, 80.1900

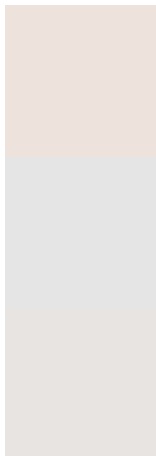
## Deuteranomaly

78.2839, 78.0057, 80.0378

## Tritanomaly

77.4421, 77.7771, 88.7727

# Monochromacy



## Original Color

75.5074, 77.7903, 79.4420

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.7496, 78.1336, 83.0931

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.5074, 77.7903, 79.4420 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(238, 226, 221) looks like.

```
.text, #text, p{  
    color:rgb(238, 226, 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(238, 226, 221) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 75.5074, 77.7903, 79.4420 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(238, 226, 221) }
```



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

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

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

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

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

# Background

The CSS property to change the background color of an element to XYZ 75.5074, 77.7903, 79.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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