

# Converting Colors

XYZ(74.7755, 75.3434, 76.6802)

Have a look what the booklet for  
XYZ(74.7755, 75.3434, 76.6802)  
contains.

<b>XYZ(74.7870, 75.4756, 76.9562)</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(74.7870, 75.4756,  
76.9562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1DDDA
RGB	241, 221, 218
RGB Percent	95%, 87%, 85%
CMY	0.0549, 0.1333, 0.1451
CMYK	0.00, 0.08, 0.10, 0.05
HSL	8°, 45%, 90%
HSV	8°, 10%, 95%
XYZ	74.7870, 75.4756, 76.9562
YIQ	226.6380, 12.8830, 3.3070

# Conversions

## Conversions Part 2

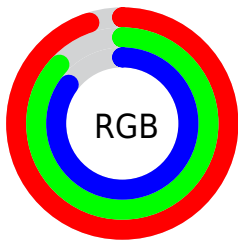
Format	Color
R <sub>Y</sub> B	241, 221, 218
Decimal	15850970
CIE Lab	89.62, 6.36, 3.94
CIE LCh	90, 7.485, 31.792
Yxy	75.4756, 0.3291, 0.3322
Android (android.graphics.Color)	4294041050 (0xFFFF1DDDA)
YUV	226.6380, -4.2585, 12.5955
Hunter-Lab	86.8767, 1.6259, 8.2940

# Details

The XYZ color **74.7870, 75.4756, 76.9562** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.3650, 82.4040, 95.1535**, and the grayscale version is **72.7759, 76.5659, 83.3803**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2547, 40.2311, 40.2941** is the 20% darker color. If you saturate the color by 10%, you get **66.6692, 63.9249, 59.8058**, and if you desaturate by 10%, it is **84.0580, 88.5971, 96.7551**.

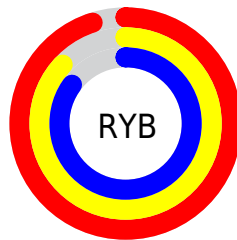
# Distribution



Red (95%)

Green (87%)

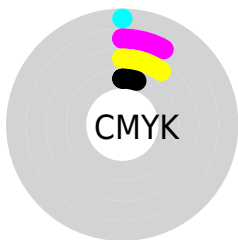
Blue (85%)



Red (95%)

Yellow (87%)

Blue (85%)

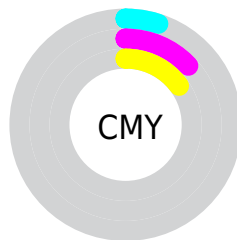


Cyan (0%)

Magenta (8%)

Yellow (10%)

Black (5%)



Cyan (5%)

Magenta (13%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7870, 75.4756, 76.9562 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 74.7870, 75.4756, 76.9562 by changing the saturation by 10% instead.




 74.7870, 75.4756,  
76.9562

 74.7870, 75.4756,  
76.9562


466.1936,  
479.5507, 504.0484

 55.7320, 56.0026,  
56.7056


125.0003,  
126.9854, 130.8501

 40.2242, 40.2050,  
40.3611


156.8893,  
159.7909, 165.3305

 27.8984, 27.6984,  
27.5043


193.7870,  
197.8095, 205.3911

 18.3891, 18.0985,  
17.7165

236.0588,  
241.4254, 251.4507

 11.3311, 11.0207,  
10.5793

284.0700,  
291.0231, 303.9277

 6.3589, 6.0808,  
5.6741

338.1860,

 3.1073, 2.8942,

346.9869, 363.2406

2.5824

398.7720,  
409.7013, 429.8080

■ 1.2107, 1.0768,  
0.8834

■ 0.1148, 0.0000,  
0.0000

■ 74.7870, 75.4756,  
76.9562

■ 74.7870, 75.4756,  
76.9562

■ 66.6692, 63.9249,  
59.8058

■ 84.0580, 88.5971,  
96.7551

■ 59.6533, 53.8765,  
45.1869

■ 90.0861, 97.4410,  
108.6677

■ 53.6934, 45.2715,  
32.9807

■ 48.7379, 38.0435,  
23.0574

■ 44.7307, 32.1206,  
15.2744

■ 41.6105, 27.4245,  
9.4736

■ 39.3083, 23.8683,  
5.4744

■ 37.7445, 21.3537,  
3.0634

■ 36.8104, 19.7600,  
1.9055

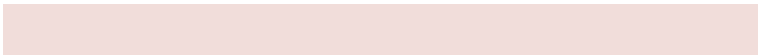
# Harmonies

## Analogous

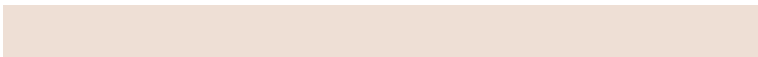
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3323, 75.4756, 81.8637



74.7870, 75.4756, 76.9562



73.4228, 75.4756, 73.5696

# Triad

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



74.7870, 75.4756, 76.9562



68.6641, 75.4756, 77.4826



71.8480, 75.4756, 92.7305

# Complementary

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



74.7870, 75.4756, 76.9562



75.3650, 82.4040, 95.1535

# 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.



70.0778, 75.4756, 91.4375



74.7870, 75.4756, 76.9562



68.2585, 75.4756, 82.4973

# Square

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



74.7870, 75.4756, 76.9562



69.8893, 75.4756, 73.8643



68.7716, 75.4756, 87.6352



73.6176, 75.4756, 91.0977



# Rectangle

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



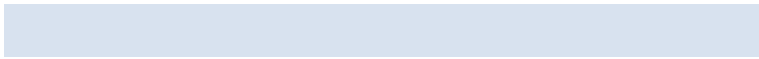
74.7870, 75.4756, 76.9562



72.2437, 75.4756, 72.5529



68.7716, 75.4756, 87.6352



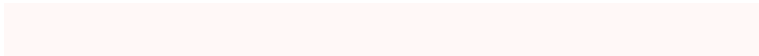
71.2333, 75.4756, 92.6234

# Sweetspot

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



74.7891, 75.4789, 76.9578



91.7574, 95.3468, 101.8468



76.8273, 75.0364, 91.5683



19.4559, 20.1479, 21.4061



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

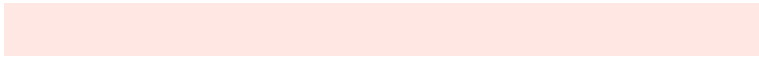


# Same Dimension

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



74.7891, 75.4789, 76.9578



83.5661, 83.7391, 84.3957



77.8398, 81.5803, 77.9747



15.9392, 16.0915, 16.4156



19.9977, 10.7935, 1.0294



1.7160, 1.0027, 0.1031

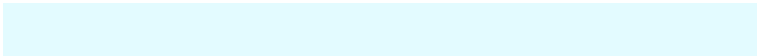


# Inverse Universe

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



75.3650, 82.4040, 95.1535



84.3151, 92.7474, 108.0659



72.2106, 76.0953, 94.1021



16.0610, 17.5561, 20.2638



21.1147, 28.4537, 49.5071

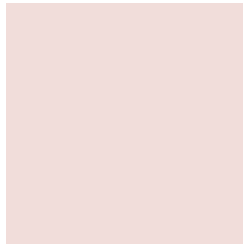


1.8051, 2.4641, 4.1347



# Previews

## White Background



This preview shows how the XYZ color 74.7870, 75.4756, 76.9562 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

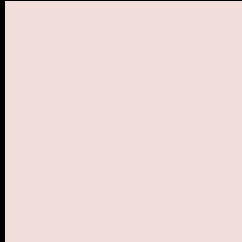
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.7870, 75.4756, 76.9562 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

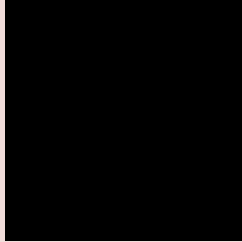
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

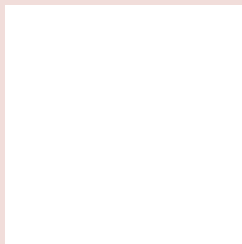
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.7870, 75.4756, 76.9562**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7870, 75.4756, 76.9562.



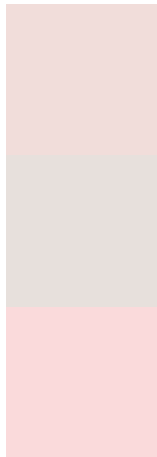
This preview shows how white text looks on a background with the XYZ color 74.7870, 75.4756,

76.9562.

# 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

74.7870, 75.4756, 76.9562

### Protanopia

72.5289, 75.4675, 78.4542

### Deuteranopia

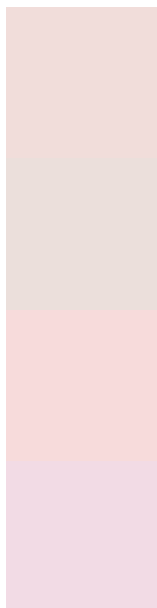
77.2819, 75.5813, 77.5333



## Tritanopia

77.0289, 75.1957, 89.0516

# Trichromacy



## Original Color

74.7870, 75.4756, 76.9562

## Protanomaly

73.4348, 75.5520, 77.7304

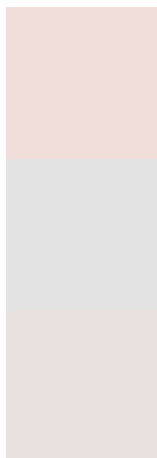
## Deuteranomaly

76.4755, 75.5517, 77.5701

## Tritanomaly

76.0923, 75.1974, 84.6328

# Monochromacy



## Original Color

74.7870, 75.4756, 76.9562

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.6585, 76.3881, 81.3832

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7870, 75.4756, 76.9562 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(241, 221, 218) looks like.

```
.text, #text, p{  
    color:rgb(241, 221, 218)  
}
```

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(241, 221, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 221, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7870, 75.4756, 76.9562 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(241, 221, 218) }
```



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

```
.border{ border-color:rgb(241, 221, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 221, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 221, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 221, 218);  
box-shadow:4px 4px 4px 4px rgb(241, 221,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7870, 75.4756, 76.9562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 221, 218) }
```

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

```
.background{ background-color: rgb(241,  
221, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor