

# Converting Colors

XYZ(76.1887, 75.7351, 90.5416)

Have a look what the booklet for  
XYZ(76.1887, 75.7351, 90.5416)  
contains.

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# Color

**XYZ(76.4024, 76.0045,  
90.7643)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEDDED
RGB	238, 221, 237
RGB Percent	93%, 87%, 93%
CMY	0.0667, 0.1333, 0.0706
CMYK	0.00, 0.07, 0.00, 0.07
HSL	304°, 33%, 90%
HSV	304°, 7%, 93%
XYZ	76.4024, 76.0045, 90.7643
YIQ	227.9070, 4.9960, 8.5800

# Conversions

## Conversions Part 2

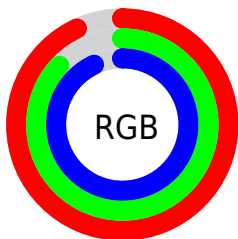
Format	Color
R <sub>Y</sub> B	238, 221, 237
Decimal	15654381
CIE Lab	89.86, 8.60, -5.71
CIE LCh	90, 10.322, 326.433
Yxy	76.0045, 0.3142, 0.3126
Android (android.graphics.Color)	4293844461 (0xFFEEDDED)
YUV	227.9070, 4.4828, 8.8516
Hunter-Lab	87.1806, 3.8660, -0.7008

# Details

The XYZ color **76.4024, 76.0045, 90.7643** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.5810, 81.7972, 81.0214**, and the grayscale version is **73.6424, 77.4776, 84.3731**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2681, 40.5537, 49.3686** is the 20% darker color. If you saturate the color by 10%, you get **70.3558, 64.2363, 87.7442**, and if you desaturate by 10%, it is **83.3458, 89.5614, 94.0930**.

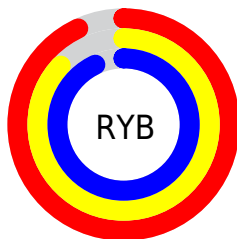
# Distribution



Red (93%)

Green (87%)

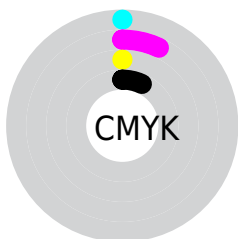
Blue (93%)



Red (93%)

Yellow (87%)

Blue (93%)

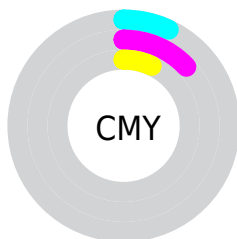


Cyan (0%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4024, 76.0045, 90.7643 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 76.4024, 76.0045, 90.7643 by changing the saturation by 10% instead.



76.4024, 76.0045,  
90.7643

76.4024, 76.0045,  
90.7643

471.6473,  
481.3631, 551.1481

57.0607, 56.4362,  
68.0374

127.2729,  
127.7333, 150.3444

41.2943, 40.5528,  
49.4613

159.5324,  
160.6625, 188.0347

28.7378, 27.9698,  
34.6174

196.8287,  
198.8142, 231.5498

19.0259, 18.3029,  
23.0871

239.5269,  
242.5727, 281.3085

11.7931, 11.1677,  
14.4519

287.9925,  
292.3225, 337.7291

6.6741, 6.1797,  
8.2933

342.5909,

3.3037, 2.9547,

348.4479, 401.2302

4.1928

403.6874,  
411.3333, 472.2303

■ 1.3163, 1.1081,  
1.7317

■ 0.1954, 0.0000,  
0.3823

■ 76.4024, 76.0045,  
90.7643

■ 76.4024, 76.0045,  
90.7643

■ 70.3558, 64.2363,  
87.7442

■ 83.3458, 89.5614,  
94.0930

■ 65.1620, 54.1723,  
85.0154

■ 86.7191, 95.9769,  
96.2387

■ 60.7834, 45.7361,  
82.5661

■ 86.9278, 96.0604,  
97.3374

■ 57.1768, 38.8415,  
80.3820

■ 87.1380, 96.1445,  
98.4446

54.2952, 33.3943,  
78.4473

87.3499, 96.2292,  
99.5603

52.0864, 29.2902,  
76.7448

87.5634, 96.3146,  
100.6844

50.4912, 26.4107,  
75.2545

87.7785, 96.4006,  
101.8171

49.4401, 24.6168,  
73.9533

87.9952, 96.4873,  
102.9584

48.8431, 23.7286,  
72.8113

88.2136, 96.5747,  
104.1082

# Harmonies

## Analogous

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



74.4444, 76.0045, 95.9759



76.4024, 76.0045, 90.7643



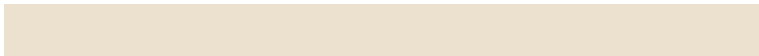
77.2443, 76.0045, 83.6326

# Triad

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



76.4024, 76.0045, 90.7643



72.5454, 76.0045, 69.5190



67.9384, 76.0045, 89.1647

# Complementary

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



76.4024, 76.0045, 90.7643



73.5810, 81.7972, 81.0214

# 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.



67.4567, 76.0045, 81.8855



76.4024, 76.0045, 90.7643



70.0796, 76.0045, 70.8095

# Square

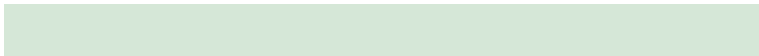
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4024, 76.0045, 90.7643



74.9847, 76.0045, 71.5997



68.2316, 76.0045, 75.2331



69.5631, 76.0045, 95.0148



# Rectangle

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



76.4024, 76.0045, 90.7643



77.0450, 76.0045, 78.8473



68.2316, 76.0045, 75.2331



67.6391, 76.0045, 86.7918

# Sweetspot

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



76.4046, 76.0078, 90.7659



93.3963, 96.7698, 108.1106



71.3707, 73.3958, 91.2952



20.0080, 20.7465, 23.1484



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.



76.4046, 76.0078, 90.7659



87.9440, 86.1347, 105.4627



75.2129, 75.5311, 84.4903



16.4118, 16.0144, 19.7245



27.1948, 13.1503, 40.5379



2.2745, 1.0988, 3.4363



# Inverse Universe

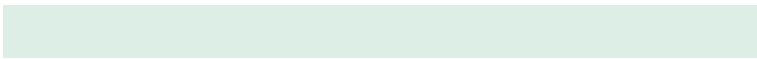
The Inverse Universe completely reimagines the original color for something new.



76.4046, 76.0078, 90.7659



87.9440, 86.1347, 105.4627



74.7281, 82.2560, 87.0617



16.4118, 16.0144, 19.7245



27.1948, 13.1503, 40.5379

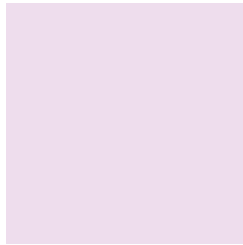


2.2745, 1.0988, 3.4363



# Previews

## White Background



This preview shows how the XYZ color 76.4024, 76.0045, 90.7643 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

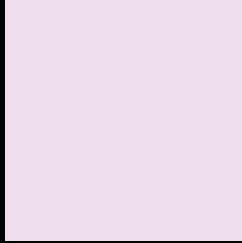
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.4024, 76.0045, 90.7643 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

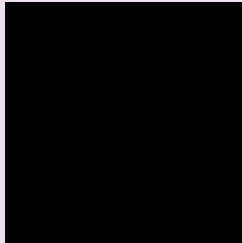
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.4024, 76.0045, 90.7643**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.4024, 76.0045, 90.7643.



This preview shows how white text looks on a background with the XYZ color 76.4024, 76.0045,

90.7643.

# 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

76.4024, 76.0045, 90.7643

### Protanopia

73.8692, 76.2512, 92.4860

### Deuteranopia

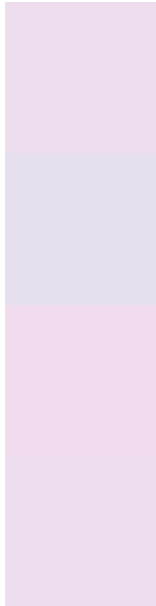
77.5797, 75.8321, 90.6689



## Tritanopia

76.5490, 76.0631, 91.5360

# Trichromacy



## Original Color

76.4024, 76.0045, 90.7643

## Protanomaly

74.7214, 76.3073, 91.6795

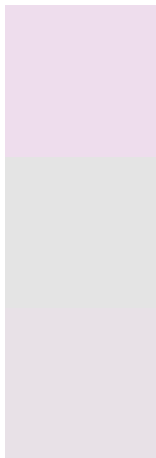
## Deuteranomaly

77.1549, 76.0016, 90.7240

## Tritanomaly

76.5490, 76.0631, 91.5360

# Monochromacy



## Original Color

76.4024, 76.0045, 90.7643

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.6277, 76.7758, 86.4872

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4024, 76.0045, 90.7643 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, 221, 237)` looks like.

```
.text, #text, p{  
    color:rgb(238, 221, 237)  
}
```

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, 221, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 221, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4024, 76.0045, 90.7643 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, 221, 237) }
```



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

```
.border{ border-color:rgb(238, 221, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 221, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 221, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 221, 237);  
box-shadow:4px 4px 4px 4px rgb(238, 221,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4024, 76.0045, 90.7643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 221, 237) }
```

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

```
.background{ background-color: rgb(238,  
221, 237) }
```

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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