

# Converting Colors

XYZ(76.3187, 76.2695, 90.6673)

Have a look what the booklet for  
XYZ(76.3187, 76.2695, 90.6673)  
contains.

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# Color

**XYZ(76.3324, 76.3615,  
90.8369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDDEED
RGB	237, 222, 237
RGB Percent	93%, 87%, 93%
CMY	0.0706, 0.1294, 0.0706
CMYK	0.00, 0.06, 0.00, 0.07
HSL	300°, 29%, 90%
HSV	300°, 6%, 93%
XYZ	76.3324, 76.3615, 90.8369
YIQ	228.1950, 4.1250, 7.8450

# Conversions

## Conversions Part 2

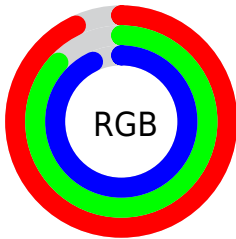
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 222, 237
Decimal	15589101
CIE Lab	90.03, 7.75, -5.47
CIE LCh	90, 9.483, 324.759
Yxy	76.3615, 0.3134, 0.3136
Android (android.graphics.Color)	4293779181 (0xFFEDDEED)
YUV	228.1950, 4.3409, 7.7220
Hunter-Lab	87.3851, 2.9990, -0.4625

# Details

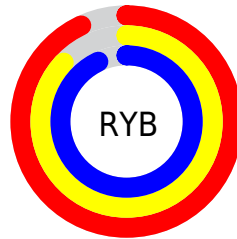
The XYZ color **76.3324, 76.3615, 90.8369** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.5961, 81.3740, 80.9390**, and the grayscale version is **73.8545, 77.7007, 84.6160**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2153, 40.7974, 49.4185** is the 20% darker color. If you saturate the color by 10%, you get **70.4758, 64.6472, 88.8856**, and if you desaturate by 10%, it is **83.0782, 89.8519, 93.0865**.

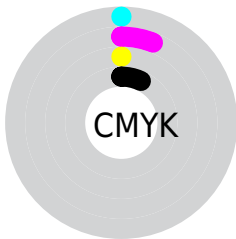
# Distribution



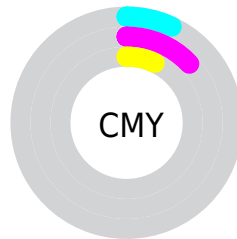
- Red (93%)
- Green (87%)
- Blue (93%)



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



- Cyan (0%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3324, 76.3615, 90.8369 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 76.3324, 76.3615, 90.8369 by changing the saturation by 10% instead.




 76.3324, 76.3615,  
90.8369

 76.3324, 76.3615,  
90.8369


471.4117,  
482.5843, 551.3897

 57.0031, 56.7290,  
68.0974

127.1745,  
128.2378, 150.4460

 41.2479, 40.7877,  
49.5098


159.4181,  
161.2503, 188.1526

 28.7014, 28.1532,  
34.6556


196.6971,  
199.4917, 231.6854

 18.9982, 18.4412,  
23.1163

239.3769,  
243.3462, 281.4628

 11.7730, 11.2672,  
14.4733

287.8230,  
293.1984, 337.9034

 6.6604, 6.2469,  
8.3081

342.4005,

 3.2950, 2.9958,

349.4325, 401.4257

4.2021

403.4750,  
412.4330, 472.4483

■ 1.3116, 1.1295,  
1.7369

■ 0.1919, 0.0030,  
0.3858

■ 76.3324, 76.3615,  
90.8369

■ 76.3324, 76.3615,  
90.8369

■ 70.4758, 64.6472,  
88.8856

■ 83.0782, 89.8519,  
93.0865

■ 65.4651, 54.6258,  
87.2153

■ 85.9719, 95.6393,  
94.0511

■ 61.2632, 46.2220,  
85.8146

■ 85.9719, 95.6393,  
94.0511

■ 57.8277, 39.3510,  
84.6694

■ 85.9719, 95.6393,  
94.0511

55.1124, 33.9205,  
83.7643

85.9719, 95.6393,  
94.0512

53.0662, 29.8280,  
83.0822

85.9719, 95.6393,  
94.0512

51.6311, 26.9578,  
82.6038

85.9719, 95.6393,  
94.0513

50.7393, 25.1742,  
82.3065

85.9719, 95.6393,  
94.0513

50.3063, 24.3082,  
82.1621

85.9719, 95.6393,  
94.0513

# Harmonies

## Analogous

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



74.4881, 76.3615, 95.4573



76.3324, 76.3615, 90.8369



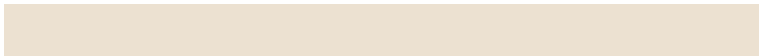
77.1723, 76.3615, 84.3322

# Triad

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



76.3324, 76.3615, 90.8369



72.9928, 76.3615, 70.9131



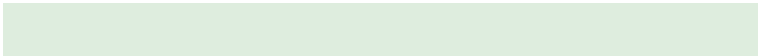
68.5532, 76.3615, 88.6826

# Complementary

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



76.3324, 76.3615, 90.8369



73.5961, 81.3740, 80.9390

# 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.



68.1723, 76.3615, 81.9683



76.3324, 76.3615, 90.8369



70.7035, 76.3615, 71.9392

# Square

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



76.3324, 76.3615, 90.8369



75.2177, 76.3615, 73.0177



68.9513, 76.3615, 75.8995



70.0033, 76.3615, 94.1672

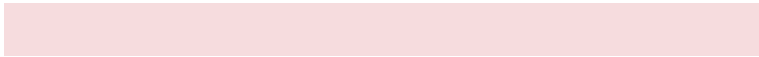


# Rectangle

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



76.3324, 76.3615, 90.8369



77.0367, 76.3615, 79.8915



68.9513, 76.3615, 75.8995



68.2973, 76.3615, 86.4850

# Sweetspot

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



76.3346, 76.3648, 90.8386



93.4445, 96.7891, 108.3648



71.5349, 73.8905, 90.6140



20.0178, 20.7505, 23.2001



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.



76.3346, 76.3648, 90.8386



88.8839, 87.6679, 106.8446



75.2616, 75.9356, 85.1882



15.7149, 15.3138, 19.0498



27.4134, 13.1680, 44.8396



2.1526, 1.0340, 3.5210



# Inverse Universe

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



76.3346, 76.3648, 90.8386



88.8839, 87.6679, 106.8446



74.6238, 81.7851, 86.3509



15.7149, 15.3138, 19.0498



27.4134, 13.1680, 44.8396

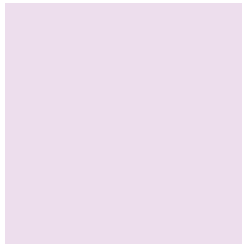


2.1526, 1.0340, 3.5210



# Previews

## White Background



This preview shows how the XYZ color 76.3324, 76.3615, 90.8369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

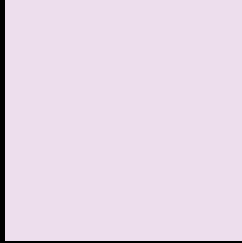
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.3324, 76.3615, 90.8369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

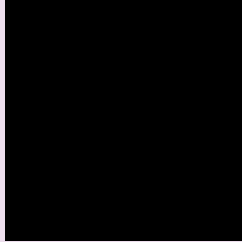
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.3324, 76.3615, 90.8369**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.3324, 76.3615, 90.8369.



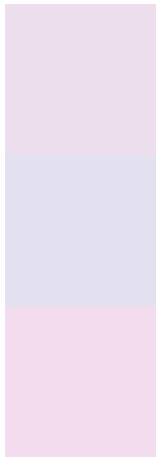
This preview shows how white text looks on a background with the XYZ color 76.3324, 76.3615,



# 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

76.3324, 76.3615, 90.8369

### Protanopia

74.1838, 76.4133, 92.5007

### Deuteranopia

77.8414, 76.3555, 90.7562



## Tritanopia

76.6263, 76.4791, 92.3847

# Trichromacy



## Original Color

76.3324, 76.3615, 90.8369

## Protanomaly

75.0433, 76.4733, 91.6945

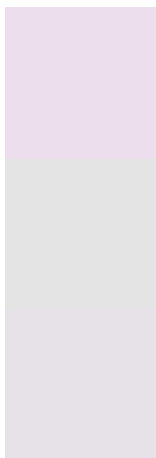
## Deuteranomaly

77.4181, 76.5281, 90.8118

## Tritanomaly

76.4789, 76.4201, 91.6086

# Monochromacy



## Original Color

76.3324, 76.3615, 90.8369

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.5752, 77.1512, 86.5624

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.3324, 76.3615, 90.8369 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(237, 222, 237)` looks like.

```
.text, #text, p{  
    color:rgb(237, 222, 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(237, 222, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 222, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 76.3324, 76.3615, 90.8369 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(237, 222, 237) }
```



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

```
.border{ border-color:rgb(237, 222, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 222, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 222, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 222, 237);  
box-shadow:4px 4px 4px 4px rgb(237, 222,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.3324, 76.3615, 90.8369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 222, 237) }
```

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

```
.background{ background-color: rgb(237,  
222, 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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