

# Converting Colors

XYZ(76.1880, 76.3768, 90.1581)

Have a look what the booklet for  
XYZ(76.1880, 76.3768, 90.1581)  
contains.

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# Color

**XYZ(76.1867, 76.3032,  
90.0694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDDEEC
RGB	237, 222, 236
RGB Percent	93%, 87%, 93%
CMY	0.0706, 0.1294, 0.0745
CMYK	0.00, 0.06, 0.00, 0.07
HSL	304°, 29%, 90%
HSV	304°, 6%, 93%
XYZ	76.1867, 76.3032, 90.0694
YIQ	228.0810, 4.4460, 7.5340

# Conversions

## Conversions Part 2

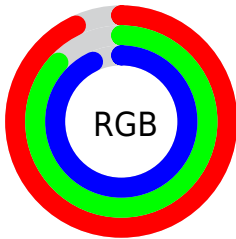
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 222, 236
Decimal	15589100
CIE Lab	90.00, 7.57, -4.99
CIE LCh	90, 9.061, 326.610
Yxy	76.3032, 0.3141, 0.3146
Android (android.graphics.Color)	4293779180 (0xFFEDDEEC)
YUV	228.0810, 3.9041, 7.8220
Hunter-Lab	87.3517, 2.8192, 0.0116

# Details

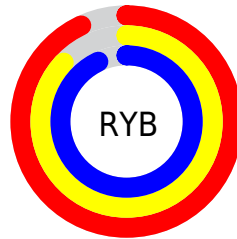
The XYZ color **76.1867, 76.3032, 90.0694** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.7306, 81.4279, 81.6472**, and the grayscale version is **73.7740, 77.6160, 84.5238**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1130, 40.7565, 48.8799** is the 20% darker color. If you saturate the color by 10%, you get **70.1014, 64.4974, 86.9137**, and if you desaturate by 10%, it is **83.1632, 89.8859, 93.5341**.

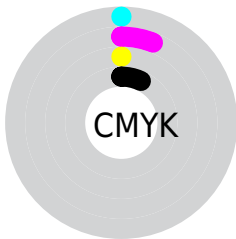
# Distribution



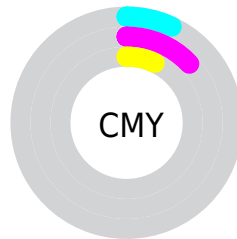
- Red (93%)
- Green (87%)
- Blue (93%)



- 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 76.1867, 76.3032, 90.0694 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 76.1867, 76.3032, 90.0694 by changing the saturation by 10% instead.




 76.1867, 76.3032,  
90.0694

 76.1867, 76.3032,  
90.0694


470.9211,  
482.3850, 548.8325

 56.8832, 56.6812,  
67.4642

126.9697,  
128.1554, 149.3712

 41.1513, 40.7493,  
48.9980


159.1800,  
161.1544, 186.9048

 28.6255, 28.1233,  
34.2523


196.4232,  
199.3811, 230.2516

 18.9405, 18.4186,  
22.8085


239.0647,  
243.2200, 279.8301

 11.7311, 11.2509,  
14.2482

287.4699,  
293.0554, 336.0589

 6.6317, 6.2359,  
8.1528

342.0042,

 3.2771, 2.9890,

349.2718, 399.3566

4.1037

403.0328,  
412.2535, 470.1416

■ 1.3020, 1.1260,  
1.6824

■ 0.1847, 0.0000,  
0.3486

■ 76.1867, 76.3032,  
90.0694

■ 76.1867, 76.3032,  
90.0694

■ 70.1014, 64.4974,  
86.9137

■ 83.1632, 89.8859,  
93.5341

■ 64.8640, 54.3853,  
84.0496

■ 86.2897, 95.7665,  
95.7246

■ 60.4374, 45.8916,  
81.4659

■ 86.5246, 95.8604,  
96.9612

■ 56.7793, 38.9316,  
79.1482

■ 86.7615, 95.9552,  
98.2087

53.8434, 33.4129,  
77.0812

87.0004, 96.0507,  
99.4670

51.5785, 29.2329,  
75.2478

87.2414, 96.1471,  
100.7361

49.9267, 26.2760,  
73.6286

87.4845, 96.2444,  
102.0161

48.8203, 24.4066,  
72.2011

87.7296, 96.3424,  
103.3070

48.1747, 23.4556,  
70.9370

87.9769, 96.4413,  
104.6088

# Harmonies

## Analogous

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



74.4739, 76.3032, 94.6271



76.1867, 76.3032, 90.0694



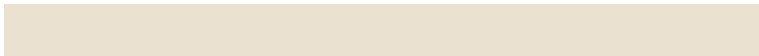
76.9172, 76.3032, 83.8140

# Triad

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



76.1867, 76.3032, 90.0694



72.7793, 76.3032, 71.3455



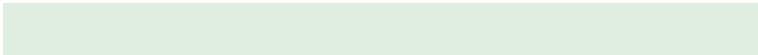
68.7340, 76.3032, 88.7404

# Complementary

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



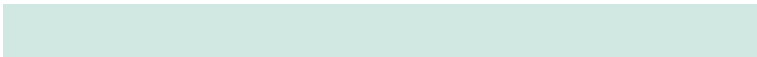
76.1867, 76.3032, 90.0694



73.7306, 81.4279, 81.6472

# 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.



68.3012, 76.3032, 82.3527



76.1867, 76.3032, 90.0694



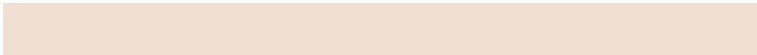
70.6082, 76.3032, 72.5149

# Square

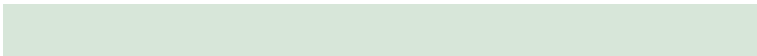
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1867, 76.3032, 90.0694



74.9246, 76.3032, 73.1843



68.9804, 76.3032, 76.4642



70.1750, 76.3032, 93.8324

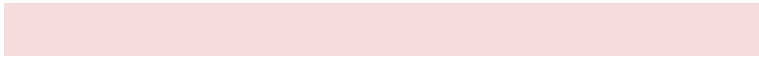


# Rectangle

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



76.1867, 76.3032, 90.0694



76.7379, 76.3032, 79.5984



68.9804, 76.3032, 76.4642



68.4670, 76.3032, 86.6641

# Sweetspot

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



76.1889, 76.3065, 90.0711



93.3898, 96.7672, 108.0767



71.8421, 74.0488, 90.6285



20.0067, 20.7460, 23.1415



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.



76.1889, 76.3065, 90.0711



88.6656, 87.5805, 105.6949



75.1220, 75.8797, 84.4529



15.6689, 15.2954, 18.8078



26.2268, 12.6934, 38.5910



2.0725, 1.0020, 3.0993



# Inverse Universe

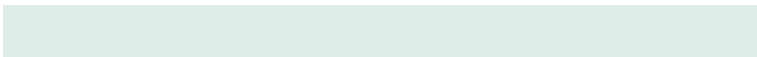
The Inverse Universe completely reimagines the original color for something new.



76.1889, 76.3065, 90.0711



88.6656, 87.5805, 105.6949



74.7643, 81.8413, 87.0905



15.6689, 15.2954, 18.8078



26.2268, 12.6934, 38.5910

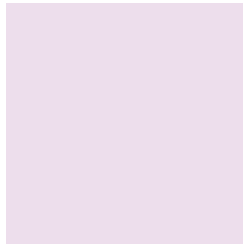


2.0725, 1.0020, 3.0993



# Previews

## White Background



This preview shows how the XYZ color 76.1867, 76.3032, 90.0694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

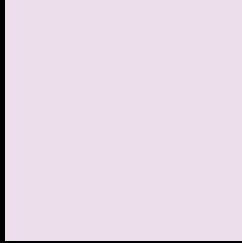
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.1867, 76.3032, 90.0694 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

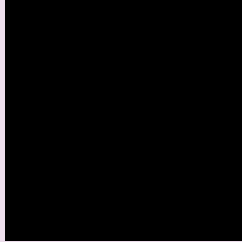
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

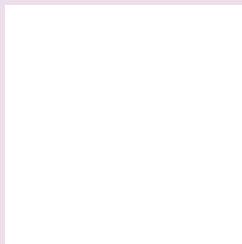
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.1867, 76.3032, 90.0694

## Background



This preview shows how black text looks on a background with the XYZ color 76.1867, 76.3032, 90.0694.



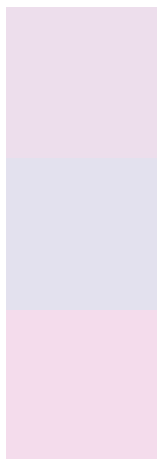
This preview shows how white text looks on a background with the XYZ color 76.1867, 76.3032,

90.0694.

# 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

76.1867, 76.3032, 90.0694

### Protanopia

74.0364, 76.3544, 91.7247

### Deuteranopia

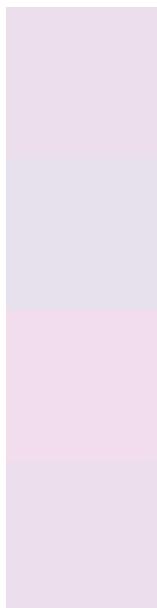
78.0417, 76.4756, 90.0049



## Tritanopia

76.6263, 76.4791, 92.3847

# Trichromacy



## Original Color

76.1867, 76.3032, 90.0694

## Protanomaly

74.8967, 76.4147, 90.9228

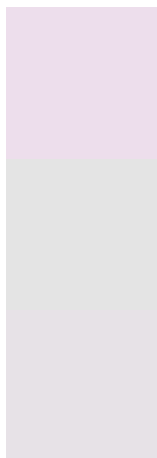
## Deuteranomaly

77.2724, 76.4698, 90.0443

## Tritanomaly

76.4789, 76.4201, 91.6086

# Monochromacy



## Original Color

76.1867, 76.3032, 90.0694

## 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 76.1867, 76.3032, 90.0694 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(237, 222, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 222, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 76.1867, 76.3032, 90.0694 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, 236) }
```



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

```
.border{ border-color:rgb(237, 222, 236) }
```

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, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 222, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 222, 236);  
box-shadow:4px 4px 4px 4px rgb(237, 222,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.1867, 76.3032, 90.0694 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, 236) }
```

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

```
.background{ background-color: rgb(237,  
222, 236) }
```

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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