

# Converting Colors

XYZ(74.3928, 76.6700, 91.1136)

Have a look what the booklet for  
XYZ(74.3928, 76.6700, 91.1136)  
contains.

<b>XYZ(74.2062, 76.4588, 90.9677)</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(74.2062, 76.4588,  
90.9677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4E1ED
RGB	228, 225, 237
RGB Percent	89%, 88%, 93%
CMY	0.1059, 0.1176, 0.0706
CMYK	0.04, 0.05, 0.00, 0.07
HSL	255°, 25%, 91%
HSV	255°, 5%, 93%
XYZ	74.2062, 76.4588, 90.9677
YIQ	227.2650, -2.0640, 4.3680

# Conversions

## Conversions Part 2

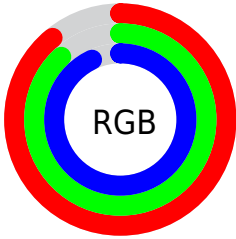
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 225, 237
Decimal	15000045
CIE Lab	90.07, 3.20, -5.48
CIE LCh	90, 6.348, 300.225
Yxy	76.4588, 0.3071, 0.3164
Android (android.graphics.Color)	4293190125 (0xFFE4E1ED)
YUV	227.2650, 4.7994, 0.6446
Hunter-Lab	87.4407, -1.5380, -0.4730

# Details

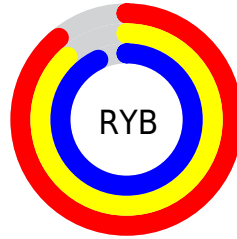
The XYZ color **74.2062, 76.4588, 90.9677** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.8092, 83.4990, 83.2539**, and the grayscale version is **73.1756, 76.9864, 83.8382**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9488, 40.9699, 49.5185** is the 20% darker color. If you saturate the color by 10%, you get **62.8857, 61.7644, 88.7292**, and if you desaturate by 10%, it is **87.0005, 93.2373, 93.5331**.

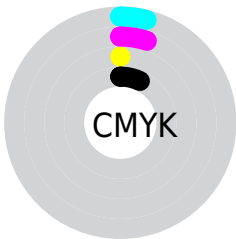
# Distribution



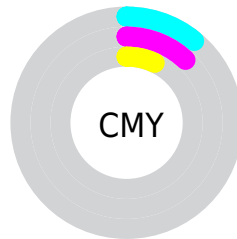
- Red (89%)
- Green (88%)
- Blue (93%)



- Red (89%)
- Yellow (88%)
- Blue (93%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (12%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.2062, 76.4588, 90.9677 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 74.2062, 76.4588, 90.9677 by changing the saturation by 10% instead.



■ 74.2062, 76.4588,  
90.9677

■ 74.2062, 76.4588,  
90.9677

464.2241,  
482.9168, 551.8249

■ 55.2547, 56.8088,  
68.2053

124.1820,  
128.3752, 150.6291

■ 39.8403, 40.8518,  
49.5970

155.9370,  
161.4105, 188.3652

■ 27.5977, 28.2033,  
34.7244

192.6906,  
199.6762, 231.9295

■ 18.1615, 18.4789,  
23.1688

234.8080,  
243.5569, 281.7407

■ 11.1664, 11.2944,  
14.5117

282.6548,  
293.4369, 338.2173

■ 6.2470, 6.2652,  
8.3346

336.5961,

■ 3.0379, 3.0070,

349.7006, 401.7779

4.2190

396.9974,  
412.7325, 472.8409

■ 1.1739, 1.1354,  
1.7462

■ 0.0856, 0.0080,  
0.3921

■ 74.2062, 76.4588,  
90.9677

■ 74.2062, 76.4588,  
90.9677

■ 62.8857, 61.7644,  
88.7292

■ 87.0005, 93.2373,  
93.5331

■ 52.9785, 49.0626,  
86.7997

■ 92.2863, 98.8945,  
94.3465

■ 44.4296, 38.2692,  
85.1669

■ 37.1778, 29.2905,  
83.8161

■ 31.1570, 22.0246,  
82.7309

■ 26.2950, 16.3594,  
81.8937

■ 22.5115, 12.1689,  
81.2843

■ 19.7152, 9.3076,  
80.8794

■ 17.7968, 7.5986,  
80.6506

# Harmonies

## Analogous

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



72.6837, 76.4588, 92.2236



74.2062, 76.4588, 90.9677



75.3309, 76.4588, 87.6300

# Triad

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



74.2062, 76.4588, 90.9677



74.1853, 76.4588, 75.9507



69.6868, 76.4588, 83.2848

# Complementary

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



74.2062, 76.4588, 90.9677



77.8092, 83.4990, 83.2539

# Split Complementary

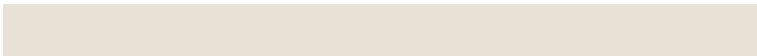
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.0761, 76.4588, 79.0196



74.2062, 76.4588, 90.9677



72.6599, 76.4588, 74.8794

# Square

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



74.2062, 76.4588, 90.9677



75.3187, 76.4588, 78.9626



71.1587, 76.4588, 75.9828



70.0877, 76.4588, 87.6912



# Rectangle

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



74.2062, 76.4588, 90.9677



75.6957, 76.4588, 84.7310



71.1587, 76.4588, 75.9828



69.7295, 76.4588, 81.7876

# Sweetspot

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



74.2084, 76.4621, 90.9694



92.0509, 96.0706, 108.2996



75.8197, 81.0839, 91.7765



19.7341, 20.6042, 23.1869



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.



74.2084, 76.4621, 90.9694



86.2644, 88.5114, 107.1455



76.0798, 77.4268, 91.0570



15.2799, 15.6363, 19.1350



9.4378, 3.9013, 43.9986



0.8269, 0.3506, 3.4590



# Inverse Universe

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



76.7042, 77.7988, 88.8195



89.7525, 90.3800, 104.1287



75.9357, 82.5332, 83.1662



15.9635, 16.0025, 18.5423



23.4993, 11.6024, 24.2282

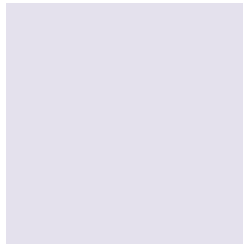


1.8832, 0.9263, 2.1025



# Previews

## White Background



This preview shows how the XYZ color 74.2062, 76.4588, 90.9677 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

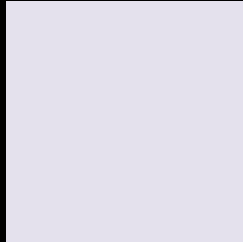
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.2062, 76.4588, 90.9677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

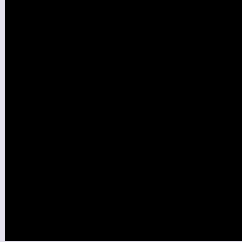
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

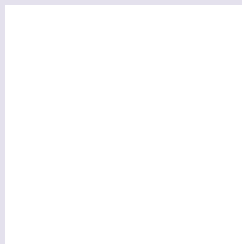
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.2062, 76.4588, 90.9677**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.2062, 76.4588, 90.9677.



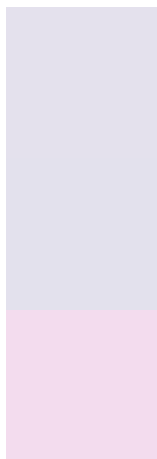
This preview shows how white text looks on a background with the XYZ color 74.2062, 76.4588,

90.9677.

# 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

74.2062, 76.4588, 90.9677

### Protanopia

73.8898, 76.2957, 90.9529

### Deuteranopia

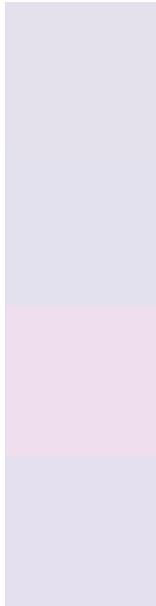
77.9880, 76.4141, 91.5279



## Tritanopia

74.9958, 76.3801, 94.7945

# Trichromacy



## Original Color

74.2062, 76.4588, 90.9677

## Protanomaly

73.8898, 76.2957, 90.9529

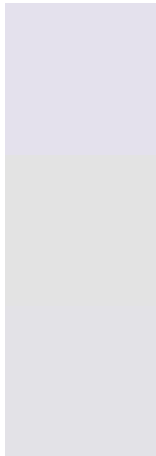
## Deuteranomaly

76.8138, 76.5927, 91.6243

## Tritanomaly

74.6969, 76.2606, 93.2209

# Monochromacy



## Original Color

74.2062, 76.4588, 90.9677

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.2987, 76.4931, 86.5027

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.2062, 76.4588, 90.9677 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(228, 225, 237) looks like.

```
.text, #text, p{  
    color:rgb(228, 225, 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(228, 225, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 225, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 74.2062, 76.4588, 90.9677 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(228, 225, 237) }
```



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

```
.border{ border-color:rgb(228, 225, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 225, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 225, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 225, 237);  
box-shadow:4px 4px 4px 4px rgb(228, 225,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.2062, 76.4588, 90.9677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 225, 237) }
```

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

```
.background{ background-color: rgb(228,  
225, 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](#).

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