

# Converting Colors

XYZ(74.2612, 75.4996, 90.3972)

Have a look what the booklet for  
XYZ(74.2612, 75.4996, 90.3972)  
contains.

<b>XYZ(74.6287, 75.8787, 90.8335)</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(74.6287, 75.8787,  
90.8335)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7DFED
RGB	231, 223, 237
RGB Percent	91%, 87%, 93%
CMY	0.0941, 0.1255, 0.0706
CMYK	0.03, 0.06, 0.00, 0.07
HSL	274°, 28%, 90%
HSV	274°, 6%, 93%
XYZ	74.6287, 75.8787, 90.8335
YIQ	226.9880, 0.2740, 6.0500

# Conversions

## Conversions Part 2

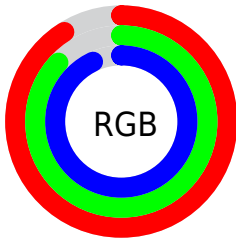
Format	Color
R <sub>Y</sub> B	231, 223, 237
Decimal	15196141
CIE Lab	89.80, 5.23, -5.86
CIE LCh	90, 7.849, 311.752
Yxy	75.8787, 0.3092, 0.3144
Android (android.graphics.Color)	4293386221 (0xFFE7DFED)
YUV	226.9880, 4.9359, 3.5185
Hunter-Lab	87.1084, 0.4873, -0.8496

# Details

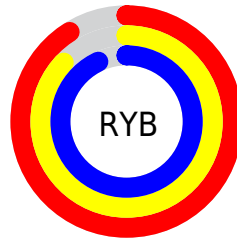
The XYZ color **74.6287, 75.8787, 90.8335** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.9195, 82.5562, 81.7494**, and the grayscale version is **72.9719, 76.7722, 83.6049**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.0223, 40.4554, 49.4153** is the 20% darker color. If you saturate the color by 10%, you get **65.5505, 62.4493, 88.7210**, and if you desaturate by 10%, it is **84.7879, 91.1853, 93.2537**.

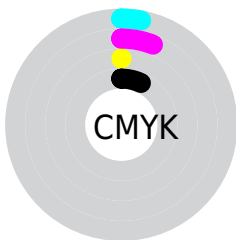
# Distribution



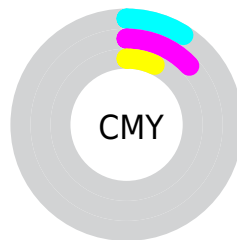
- Red (91%)
- Green (87%)
- Blue (93%)



- Red (91%)
- Yellow (87%)
- Blue (93%)



- Cyan (3%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)



- Cyan (9%)
- Magenta (13%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.6287, 75.8787, 90.8335 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 74.6287, 75.8787, 90.8335 by changing the saturation by 10% instead.



74.6287, 75.8787,  
90.8335

74.6287, 75.8787,  
90.8335

465.6573,  
480.9324, 551.3784

55.6019, 56.3330,  
68.0945

124.7774,  
127.5554, 150.4412

40.1195, 40.4700,  
49.5075

156.6299,  
160.4553, 188.1471

27.8164, 27.9052,  
34.6538

193.4884,  
198.5754, 231.6790

18.3270, 18.2542,  
23.1149

235.7181,  
242.3000, 281.4556

11.2862, 11.1326,  
14.4723

283.6845,  
292.0136, 337.8952

6.3284, 6.1561,  
8.3074

337.7530,

3.0883, 2.9402,

348.1006, 401.4165

4.2017

398.2888,  
410.9454, 472.4381

■ 1.2006, 1.1006,  
1.7366

■ 0.1069, 0.0000,  
0.3856

■ 74.6287, 75.8787,  
90.8335

■ 74.6287, 75.8787,  
90.8335

■ 65.5505, 62.4493,  
88.7210

■ 84.7879, 91.1853,  
93.2537

■ 57.5070, 50.8124,  
86.8988

■ 90.9460, 98.2036,  
94.2838

■ 50.4580, 40.8914,  
85.3554

■ 92.2863, 98.8945,  
94.3465

■ 44.3577, 32.6000,  
84.0765

■ 39.1568, 25.8445,  
83.0466

■ 34.8006, 20.5210,  
82.2487

■ 31.2279, 16.5124,  
81.6633

■ 28.3677, 13.6823,  
81.2678

■ 26.1329, 11.8625,  
81.0343

# Harmonies

## Analogous

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



72.8815, 75.8787, 93.5063



74.6287, 75.8787, 90.8335



75.7151, 75.8787, 86.0037

# Triad

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



74.6287, 75.8787, 90.8335



73.2928, 75.8787, 72.8987



68.5357, 75.8787, 84.8103

# Complementary

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



74.6287, 75.8787, 90.8335



75.9195, 82.5562, 81.7494

# Split Complementary

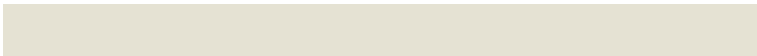
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.6413, 75.8787, 79.3243



74.6287, 75.8787, 90.8335



71.3646, 75.8787, 72.6114

# Square

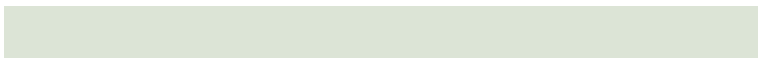
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.6287, 75.8787, 90.8335



74.9344, 75.8787, 75.7187



69.6690, 75.8787, 74.9153



69.3778, 75.8787, 89.9262



# Rectangle

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



74.6287, 75.8787, 90.8335



75.9069, 75.8787, 82.2934



69.6690, 75.8787, 74.9153



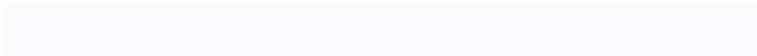
68.4620, 75.8787, 82.9455

# Sweetspot

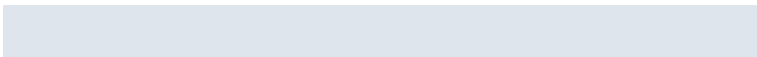
The Sweet Spot groups the original color and five complimentary colors.



74.6309, 75.8819, 90.8352



92.6447, 96.3768, 108.3274



73.7582, 77.8810, 91.2670



19.8550, 20.6666, 23.1925



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.



74.6309, 75.8819, 90.8352



86.8582, 87.7127, 106.9601



76.4650, 76.8432, 90.2111



15.4280, 15.5280, 19.1063



13.9892, 6.2476, 44.2116



1.2082, 0.5472, 3.4768



# Inverse Universe

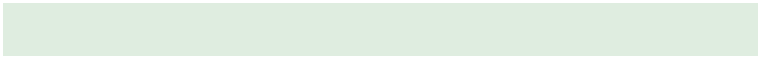
The Inverse Universe completely reimagines the original color for something new.



75.4583, 76.4405, 84.9102



88.0189, 88.4958, 98.6703



74.1639, 81.6366, 82.3259



15.6514, 15.6786, 17.5128



20.4292, 10.3744, 8.0613

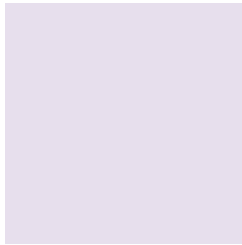


1.6515, 0.8336, 0.8822



# Previews

## White Background



This preview shows how the XYZ color 74.6287, 75.8787, 90.8335 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 74.6287, 75.8787, 90.8335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

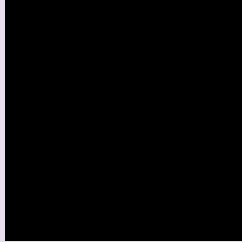
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.6287, 75.8787, 90.8335**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.6287, 75.8787, 90.8335.



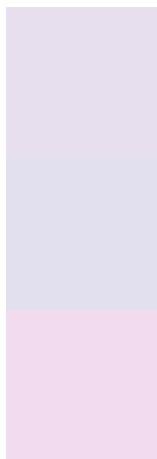
This preview shows how white text looks on a background with the XYZ color 74.6287, 75.8787,

90.8335.

# 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

74.6287, 75.8787, 90.8335

### Protanopia

73.4523, 75.6531, 91.6201

### Deuteranopia

77.3821, 75.7133, 91.4246



## Tritanopia

75.0708, 76.0555, 93.1616

# Trichromacy



## Original Color

74.6287, 75.8787, 90.8335

## Protanomaly

74.0832, 75.9783, 91.6496

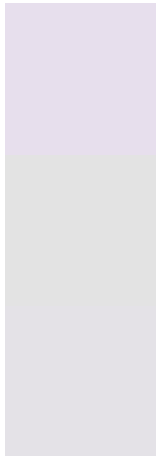
## Deuteranomaly

76.2857, 75.5366, 91.4482

## Tritanomaly

74.9227, 75.9963, 92.3813

# Monochromacy



## Original Color

74.6287, 75.8787, 90.8335

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.6151, 76.6562, 86.5175

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.6287, 75.8787, 90.8335 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(231, 223, 237) looks like.

```
.text, #text, p{  
    color:rgb(231, 223, 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(231, 223, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 223, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 74.6287, 75.8787, 90.8335 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(231, 223, 237) }
```



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

```
.border{ border-color:rgb(231, 223, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 223, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 223, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 223, 237);  
box-shadow:4px 4px 4px 4px rgb(231, 223,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.6287, 75.8787, 90.8335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 223, 237) }
```

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

```
.background{ background-color: rgb(231,  
223, 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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