

# Converting Colors

XYZ(70.5642, 73.0564, 94.5836)

Have a look what the booklet for  
XYZ(70.5642, 73.0564, 94.5836)  
contains.

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# Color

**XYZ(70.4987, 72.8754,  
94.3551)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9DDF2
RGB	217, 221, 242
RGB Percent	85%, 87%, 95%
CMY	0.1490, 0.1333, 0.0510
CMYK	0.10, 0.09, 0.00, 0.05
HSL	230°, 49%, 90%
HSV	230°, 10%, 95%
XYZ	70.4987, 72.8754, 94.3551
YIQ	222.1980, -9.1250, 5.6830

# Conversions

## Conversions Part 2

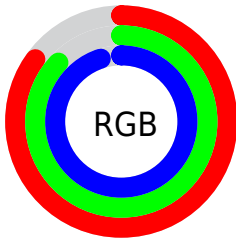
Format	Color
R <sub>YB</sub>	217, 220, 242
Decimal	14278130
CIE Lab	88.39, 2.65, -10.70
CIE LCh	88, 11.022, 283.933
Yxy	72.8754, 0.2966, 0.3065
Android (android.graphics.Color)	4292468210 (0xFFD9DDF2)
YUV	222.1980, 9.7624, -4.5586
Hunter-Lab	85.3671, -1.9818, -5.7755

# Details

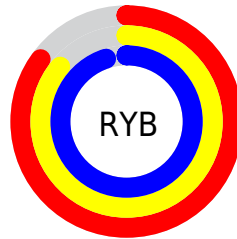
The XYZ color **70.4987, 72.8754, 94.3551** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.7172, 85.0355, 77.8589**, and the grayscale version is **69.5106, 73.1306, 79.6392**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3994, 38.4990, 51.9143** is the 20% darker color. If you saturate the color by 10%, you get **58.7812, 59.3465, 92.3625**, and if you desaturate by 10%, it is **83.9250, 88.2534, 96.6169**.

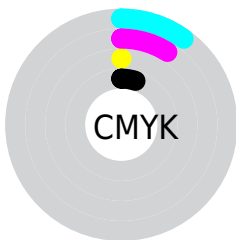
# Distribution



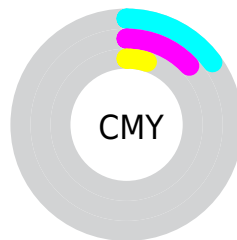
- Red (85%)
- Green (87%)
- Blue (95%)



- Red (85%)
- Yellow (86%)
- Blue (95%)



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (13%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4987, 72.8754, 94.3551 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 70.4987, 72.8754, 94.3551 by changing the saturation by 10% instead.



■ 70.4987, 72.8754,  
94.3551

■ 70.4987, 72.8754,  
94.3551

451.5382,  
470.5829, 563.0298

■ 52.2143, 53.8741,  
71.0044

118.9421,  
123.3003, 155.3613

■ 37.4008, 38.5010,  
51.8639

149.8317,  
155.4927, 193.8538

■ 25.6931, 26.3718,  
36.5151

185.6538,  
192.8509, 238.2307

■ 16.7257, 17.1020,  
24.5395

226.7736,  
235.7593, 288.9106

■ 10.1332, 10.3072,  
15.5184

273.5567,  
284.6023, 346.3119

■ 5.5503, 5.6031,  
9.0334

326.3682,

■ 2.6116, 2.6053,

339.7643, 410.8531

4.6658

385.5736,  
401.6297, 482.9530

■ 0.9519, 0.9293,  
1.9973

■ 0.0000, 0.0000,  
0.5536

■ 70.4987, 72.8754,  
94.3551

■ 70.4987, 72.8754,  
94.3551

■ 58.7812, 59.3465,  
92.3625

■ 83.9250, 88.2534,  
96.6169

■ 48.6971, 47.5879,  
90.6243

■ 93.0272, 99.1909,  
98.2483

■ 40.1751, 37.5284,  
89.1318

■ 33.1359, 29.0884,  
87.8737

■ 27.4933, 22.1820,  
86.8381

■ 23.1519, 16.7150,  
86.0116

■ 20.0039, 12.5826,  
85.3799

■ 17.9234, 9.6649,  
84.9264

■ 16.7446, 7.8456,  
84.6374

# Harmonies

## Analogous

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



67.8667, 72.8754, 94.1974



70.4987, 72.8754, 94.3551



72.8578, 72.8754, 90.3168

# Triad

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



70.4987, 72.8754, 94.3551



72.9965, 72.8754, 69.6586



64.4889, 72.8754, 75.3823

# Complementary

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



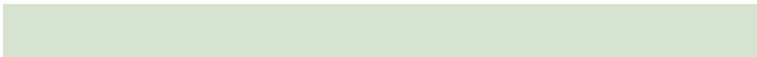
70.4987, 72.8754, 94.3551



79.7172, 85.0355, 77.8589

# 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.



65.7940, 72.8754, 69.3070



70.4987, 72.8754, 94.3551



70.6842, 72.8754, 66.1491

# Square

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



70.4987, 72.8754, 94.3551



74.3245, 72.8754, 75.8905



68.0475, 72.8754, 66.0246



64.4421, 72.8754, 82.9109



# Rectangle

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



70.4987, 72.8754, 94.3551



73.9395, 72.8754, 85.9286



68.0475, 72.8754, 66.0246



64.7935, 72.8754, 73.1140

# Sweetspot

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



70.5009, 72.8785, 94.3567



90.2758, 94.5468, 108.0990



75.7768, 84.4205, 93.0627



19.0561, 19.9319, 23.0928



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.



70.5009, 72.8785, 94.3567



77.0170, 79.3360, 105.8619



71.9965, 72.0991, 94.1274



15.1017, 15.6374, 19.9440



9.0591, 4.3424, 45.4886



0.8138, 0.4815, 3.8043



# Inverse Universe

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



74.4836, 73.7249, 78.7147



82.1881, 80.4605, 85.5471



78.1001, 85.9513, 78.1209



15.8760, 15.8001, 16.9033



19.8982, 10.2317, 2.1146

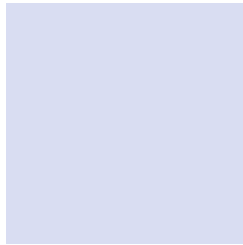


1.6857, 0.8633, 0.3358



# Previews

## White Background



This preview shows how the XYZ color 70.4987, 72.8754, 94.3551 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

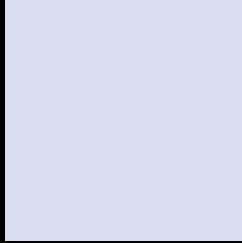
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.4987, 72.8754, 94.3551 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

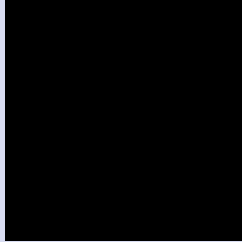
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.4987, 72.8754, 94.3551

## Background



This preview shows how black text looks on a background with the XYZ color 70.4987, 72.8754, 94.3551.



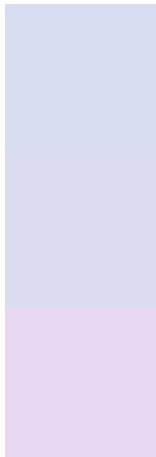
This preview shows how white text looks on a background with the XYZ color 70.4987, 72.8754,



# 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

70.4987, 72.8754, 94.3551

### Protanopia

70.9856, 72.7529, 93.5205

### Deuteranopia

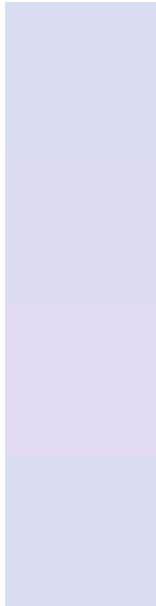
74.3378, 72.9064, 94.9483



## Tritanopia

69.7553, 72.5438, 91.9872

# Trichromacy



## Original Color

70.4987, 72.8754, 94.3551

## Protanomaly

70.6838, 72.5973, 93.5063

## Deuteranomaly

72.9276, 72.9448, 95.0301

## Tritanomaly

69.9035, 72.6031, 92.7676

# Monochromacy



## Original Color

70.4987, 72.8754, 94.3551

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

69.7793, 73.1153, 84.5636

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.4987, 72.8754, 94.3551 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(217, 221, 242) looks like.

```
.text, #text, p{  
    color:rgb(217, 221, 242)  
}
```

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(217, 221, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 221, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 70.4987, 72.8754, 94.3551 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(217, 221, 242) }
```



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

```
.border{ border-color:rgb(217, 221, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 221, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 221, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 221, 242);  
box-shadow:4px 4px 4px 4px rgb(217, 221,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.4987, 72.8754, 94.3551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 221, 242) }
```

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

```
.background{ background-color: rgb(217,  
221, 242) }
```

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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