

Converting Colors

XYZ(75.9675, 76.0312,
103.0825)

Have a look what the booklet for
XYZ(75.9675, 76.0312, 103.0825)
contains.

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Color

**XYZ(75.6869, 75.7648,
102.7304)**

Conversions

Conversions Part 1

Format	Color
Hex	E4DEFC
RGB	228, 222, 252
RGB Percent	89%, 87%, 99%
CMY	0.1059, 0.1294, 0.0118
CMYK	0.10, 0.12, 0.00, 0.01
HSL	252°, 83%, 93%
HSV	252°, 12%, 99%
XYZ	75.6869, 75.7648, 102.7304
YIQ	227.2140, -6.0540, 10.6020

Conversions

Conversions Part 2

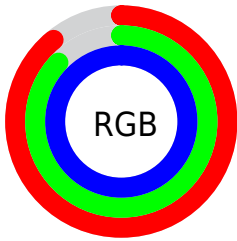
Format	Color
R _Y B	228, 222, 252
Decimal	14999292
CIE Lab	89.75, 7.63, -13.83
CIE LCh	90, 15.795, 298.866
Yxy	75.7648, 0.2978, 0.2981
Android (android.graphics.Color)	4293189372 (0xFFE4DEFC)
YUV	227.2140, 12.2195, 0.6893
Hunter-Lab	87.0430, 2.8868, -9.0455

Details

The XYZ color **75.6869, 75.7648, 102.7304** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.0039, 94.4895, 82.8163**, and the grayscale version is **73.0883, 76.8946, 83.7382**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6823, 40.3482, 57.2736** is the 20% darker color. If you saturate the color by 10%, you get **63.4605, 60.2591, 100.3831**, and if you desaturate by 10%, it is **89.6641, 93.6620, 105.4494**.

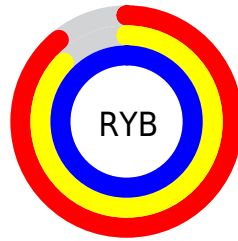
Distribution



Red (89%)

Green (87%)

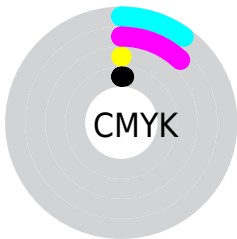
Blue (99%)



Red (89%)

Yellow (87%)

Blue (99%)

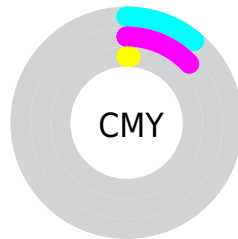


Cyan (10%)

Magenta (12%)

Yellow (0%)

Black (1%)



Cyan (11%)

Magenta (13%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6869, 75.7648, 102.7304 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 75.6869, 75.7648, 102.7304 by changing the saturation by 10% instead.

75.6869, 75.7648,
102.7304

75.6869, 75.7648,
102.7304

469.2361,
480.5422, 590.2328

56.4720, 56.2397,
77.9532

126.2669,
127.3944, 166.9888

40.8199, 40.3951,
57.5193

158.3628,
160.2676, 207.3072

28.3655, 27.8467,
41.0102

195.4829,
198.3590, 253.6430

18.7432, 18.2102,
28.0073

237.9927,
242.0530, 306.4148

11.5878, 11.1010,
18.0921

286.2576,
291.7339, 366.0411

6.5338, 6.1348,
10.8460

340.6429,

3.2160, 2.9272,

347.7861, 432.9406

5.8505

401.5139,
410.5941, 507.5316

■ 1.2690, 1.0939,
2.6871

■ 0.1598, 0.0000,
0.9369

■ 75.6869, 75.7648,
102.7304

■ 75.6869, 75.7648,
102.7304

■ 63.4605, 60.2591,
100.3831

■ 89.6641, 93.6620,
105.4494

■ 52.9082, 47.0338,
98.3865

94.5709, 99.8084,
106.3772

■ 43.9580, 35.9830,
96.7252

■ 36.5295, 26.9888,
95.3807

■ 30.5353, 19.9217,
94.3325

■ 25.8788, 14.6377,
93.5580

■ 22.4508, 10.9715,
93.0311

■ 20.1229, 8.7260,
92.7203

■ 18.9052, 7.7162,
92.5896

Harmonies

Analogous

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



71.8642, 75.7648, 105.8397



75.6869, 75.7648, 102.7304



78.6117, 75.7648, 94.0835

Triad

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



75.6869, 75.7648, 102.7304



75.9524, 75.7648, 65.4711



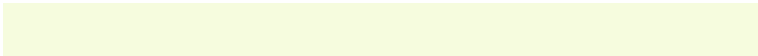
64.7841, 75.7648, 82.0716

Complementary

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



75.6869, 75.7648, 102.7304



86.0039, 94.4895, 82.8163

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.



65.7927, 75.7648, 71.8994



75.6869, 75.7648, 102.7304



72.1604, 75.7648, 62.8632

Square

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



75.6869, 75.7648, 102.7304



78.7688, 75.7648, 72.5718



68.4583, 75.7648, 65.1083



65.6534, 75.7648, 93.2839

Rectangle

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



75.6869, 75.7648, 102.7304



79.6097, 75.7648, 86.7044



68.4583, 75.7648, 65.1083



64.9141, 75.7648, 78.4241

Sweetspot

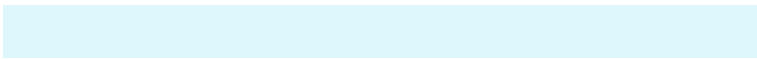
The Sweet Spot groups the original color and five complimentary colors.



75.6892, 75.7680, 102.7321



88.9430, 92.1488, 107.7064



80.8054, 88.7762, 104.9733



18.7988, 19.4173, 23.0071



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.



75.6892, 75.7680, 102.7321



74.9612, 74.2793, 104.9942



80.4843, 78.2399, 102.9565



16.6070, 16.8101, 21.7547



9.9420, 4.0680, 48.2348



1.0026, 0.4190, 4.4712

Inverse Universe

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



82.9033, 79.5951, 98.1862



83.5718, 78.8485, 99.5098



81.1143, 91.9688, 82.5874



17.8356, 17.4616, 20.9899



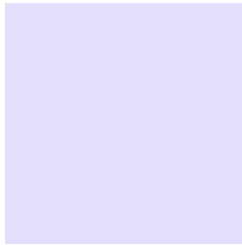
26.4957, 13.0140, 30.3824



2.4904, 1.2199, 3.0060

Previews

White Background



This preview shows how the XYZ color 75.6869, 75.7648, 102.7304 looks on a white background.

Color Contrast Check

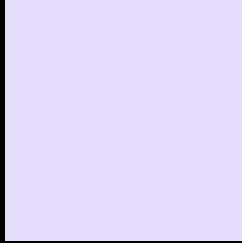
Large Text (above 18pt) WCAG AA × Fail

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 75.6869, 75.7648, 102.7304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

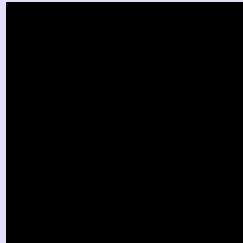
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.6869, 75.7648, 102.7304

Background



This preview shows how black text looks on a background with the XYZ color 75.6869, 75.7648, 102.7304.

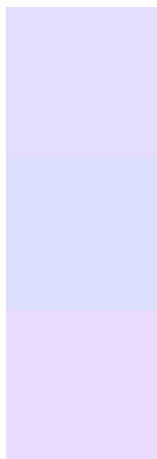


This preview shows how white text looks on a background with the XYZ color 75.6869, 75.7648,

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

75.6869, 75.7648, 102.7304

Protanopia

74.2041, 75.7753, 103.6436

Deuteranopia

77.4248, 75.8768, 102.6604



Tritanopia

73.8969, 75.8309, 93.9611

Trichromacy



Original Color

75.6869, 75.7648, 102.7304

Protanomaly

74.8578, 75.7145, 103.5974

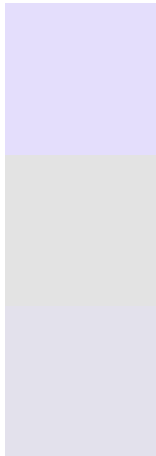
Deuteranomaly

76.7059, 75.8970, 102.7022

Tritanomaly

74.5477, 75.6988, 97.0685

Monochromacy



Original Color

75.6869, 75.7648, 102.7304

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

73.7441, 76.2374, 90.1854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.6869, 75.7648, 102.7304 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, 222, 252)` looks like.

```
.text, #text, p{  
    color:rgb(228, 222, 252)  
}
```

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, 222, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 222, 252) }
```

Border

The CSS property to change the border of an element to XYZ 75.6869, 75.7648, 102.7304 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, 222, 252) }
```


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

```
.border{ border-color:rgb(228, 222, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 222, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 222, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 222, 252);  
box-shadow:4px 4px 4px 4px rgb(228, 222,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 75.6869, 75.7648, 102.7304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 222, 252) }
```

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

```
.background{ background-color: rgb(228,  
222, 252) }
```

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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