

Converting Colors

XYZ(70.8649, 69.9664, 95.3502)

Have a look what the booklet for
XYZ(70.8649, 69.9664, 95.3502)
contains.

XYZ(70.8639, 69.9674, 95.3581)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.8639, 69.9674,
95.3581)**

Conversions

Conversions Part 1

Format	Color
Hex	E0D5F4
RGB	224, 213, 244
RGB Percent	88%, 84%, 96%
CMY	0.1216, 0.1647, 0.0431
CMYK	0.08, 0.13, 0.00, 0.04
HSL	261°, 58%, 90%
HSV	261°, 13%, 96%
XYZ	70.8639, 69.9674, 95.3581
YIQ	219.8230, -3.3950, 11.9730

Conversions

Conversions Part 2

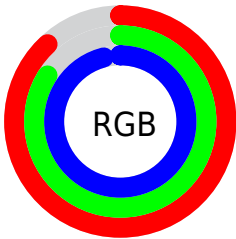
Format	Color
R _Y B	224, 213, 244
Decimal	14734836
CIE Lab	86.98, 9.50, -13.80
CIE LCh	87, 16.752, 304.550
Yxy	69.9674, 0.3000, 0.2962
Android (android.graphics.Color)	4292924916 (0xFFE0D5F4)
YUV	219.8230, 11.9193, 3.6632
Hunter-Lab	83.6465, 4.8407, -9.0388

Details

The XYZ color **70.8639, 69.9674, 95.3581** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **77.9675, 86.8309, 75.6048**, and the grayscale version is **67.8271, 71.3594, 77.7104**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6661, 36.5196, 52.6407** is the 20% darker color. If you saturate the color by 10%, you get **60.5274, 56.2046, 93.2475**, and if you desaturate by 10%, it is **82.5797, 85.8157, 97.8007**.

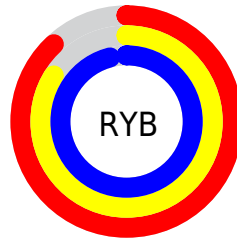
Distribution



Red (88%)

Green (84%)

Blue (96%)



Red (88%)

Yellow (84%)

Blue (96%)

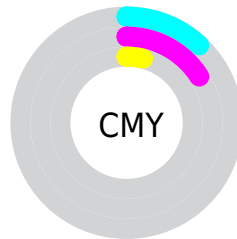


Cyan (8%)

Magenta (13%)

Yellow (0%)

Black (4%)



Cyan (12%)

Magenta (16%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8639, 69.9674, 95.3581 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 70.8639, 69.9674, 95.3581 by changing the saturation by 10% instead.

70.8639, 69.9674,
95.3581

70.8639, 69.9674,
95.3581

452.7968,
460.4355, 566.3244

52.5133, 51.5000,
71.8345

119.4595,
119.1623, 156.7591

37.6403, 36.6067,
52.5375

150.4351,
150.6585, 195.4736

25.8796, 24.9031,
37.0485

186.3499,
187.2664, 240.0887

16.8658, 16.0049,
24.9490

227.5690,
229.3704, 291.0232

10.2335, 9.5276,
15.8204

274.4579,
277.3550, 348.6954

5.6175, 5.0869,
9.2441

327.3819,

2.6524, 2.2983,

331.6044, 413.5240

4.8018

386.7064,
392.5031, 485.9275

■ 0.9727, 0.7728,
2.0747

■ 0.0000, 0.0000,
0.6007

■ 70.8639, 69.9674,
95.3581

■ 70.8639, 69.9674,
95.3581

■ 60.5274, 56.2046,
93.2475

■ 82.5797, 85.8157,
97.8007

■ 51.5106, 44.4299,
91.4500

■ 93.3293, 99.3117,
99.8392

■ 43.7587, 34.5513,
89.9518

■ 37.2102, 26.4658,
88.7363

■ 31.7984, 20.0604,
87.7851

■ 27.4491, 15.2089,
87.0779

■ 24.0781, 11.7662,
86.5911

■ 21.5857, 9.5579,
86.2962

■ 20.2198, 8.5373,
86.1712

Harmonies

Analogous

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



67.1010, 69.9674, 99.7623



70.8639, 69.9674, 95.3581



73.5347, 69.9674, 85.8293

Triad

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



70.8639, 69.9674, 95.3581



69.7901, 69.9674, 58.3239



59.2754, 69.9674, 77.9060

Complementary

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



70.8639, 69.9674, 95.3581



77.9675, 86.8309, 75.6048

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.



59.9325, 69.9674, 67.2872



70.8639, 69.9674, 95.3581



65.9064, 69.9674, 56.6460

Square

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



70.8639, 69.9674, 95.3581



72.8978, 69.9674, 64.5965



62.3227, 69.9674, 59.7672



60.4915, 69.9674, 89.0774

Rectangle

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



70.8639, 69.9674, 95.3581



74.2821, 69.9674, 78.2489



62.3227, 69.9674, 59.7672



59.2849, 69.9674, 74.1530

Sweetspot

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



70.8660, 69.9704, 95.3596



89.5020, 92.4370, 107.7326



72.9535, 79.0429, 97.0008



18.9398, 19.4901, 23.0137



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.



70.8660, 69.9704, 95.3596



75.5347, 73.5931, 104.8315



75.8404, 72.5347, 95.5924



16.1359, 16.2127, 20.8215



11.1287, 4.7114, 46.8609



1.0856, 0.4695, 4.1236

Inverse Universe

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



75.8127, 72.7077, 87.1320



81.9298, 77.1335, 94.1257



73.1721, 84.3587, 75.3803



16.9494, 16.6626, 19.4803



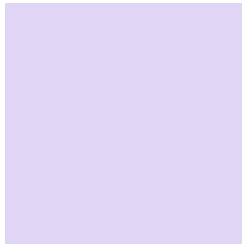
23.6827, 11.8165, 18.8354



2.1303, 1.0581, 1.9123

Previews

White Background



This preview shows how the XYZ color 70.8639, 69.9674, 95.3581 looks on a white background.

Color Contrast Check

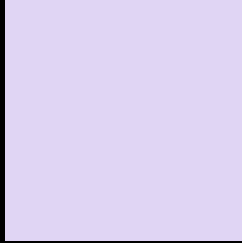
Large Text (above 18pt) WCAG AA × Fail

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 70.8639, 69.9674, 95.3581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

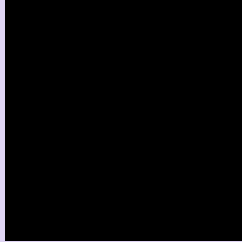
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.8639, 69.9674, 95.3581

Background



This preview shows how black text looks on a background with the XYZ color 70.8639, 69.9674, 95.3581.

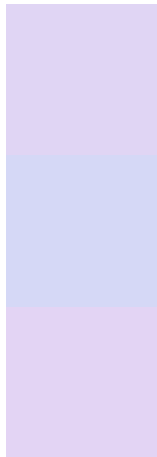


This preview shows how white text looks on a background with the XYZ color 70.8639, 69.9674,

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

70.8639, 69.9674, 95.3581

Protanopia

68.6310, 69.9117, 97.0658

Deuteranopia

71.5512, 69.9495, 95.3184



Tritanopia

68.9901, 69.9567, 86.2107

Trichromacy



Original Color

70.8639, 69.9674, 95.3581

Protanomaly

69.3971, 69.9452, 96.2293

Deuteranomaly

71.2366, 69.7874, 95.3037

Tritanomaly

69.6183, 69.8372, 89.1675

Monochromacy



Original Color

70.8639, 69.9674, 95.3581

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.7745, 70.6550, 84.1417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8639, 69.9674, 95.3581 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(224, 213, 244)` looks like.

```
.text, #text, p{  
    color:rgb(224, 213, 244)  
}
```

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(224, 213, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 213, 244) }
```

Border

The CSS property to change the border of an element to XYZ 70.8639, 69.9674, 95.3581 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(224, 213, 244) }
```


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

```
.border{ border-color:rgb(224, 213, 244) }
```

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

Here you see how a box with a 4 pixel rgb(224, 213, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 213, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 213, 244);  
box-shadow:4px 4px 4px 4px rgb(224, 213,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8639, 69.9674, 95.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 213, 244) }
```

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

```
.background{ background-color: rgb(224,  
213, 244) }
```

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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