

Converting Colors

XYZ(43.9970, 42.9954, 77.9315)

Have a look what the booklet for
XYZ(43.9970, 42.9954, 77.9315)
contains.

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Color

**XYZ(43.9970, 42.9954,
77.9315)**

Conversions

Conversions Part 1

Format	Color
Hex	A5ACE2
RGB	165, 172, 226
RGB Percent	65%, 67%, 89%
CMY	0.3529, 0.3255, 0.1137
CMYK	0.27, 0.24, 0.00, 0.11
HSL	233°, 51%, 77%
HSV	233°, 27%, 89%
XYZ	43.9970, 42.9954, 77.9315
YIQ	176.0630, -21.5060, 15.3100

Conversions

Conversions Part 2

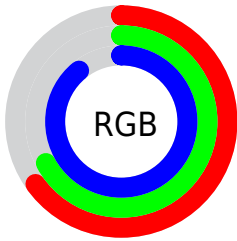
Format	Color
R_{YB}	165, 171, 226
Decimal	10857698
CIE _{Lab}	71.55, 9.40, -27.95
CIE _{LCh}	72, 29.489, 288.592
Yxy	42.9954, 0.2668, 0.2607
Android (android.graphics.Color)	4289047778 (0xFFA5ACE2)
YUV	176.0630, 24.6189, -9.7023
Hunter-Lab	65.5709, 5.0216, -24.5670

Details

The XYZ color **43.9970, 42.9954, 77.9315** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.4876, 69.5485, 45.6766**, and the grayscale version is **41.1846, 43.3294, 47.1857**.

A 20% lighter version of the original color is **75.3379, 77.5303, 105.6019**, and **20.6543, 19.7800, 40.7595** is the 20% darker color. If you saturate the color by 10%, you get **36.1800, 33.7332, 76.5564**, and if you desaturate by 10%, it is **53.2207, 53.8356, 79.5385**.

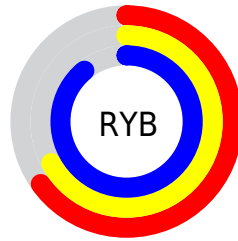
Distribution



Red (65%)

Green (67%)

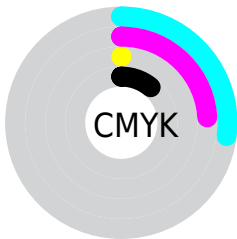
Blue (89%)



Red (65%)

Yellow (67%)

Blue (89%)

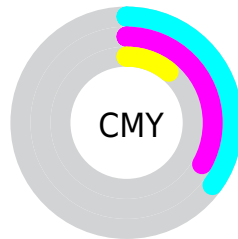


Cyan (27%)

Magenta (24%)

Yellow (0%)

Black (11%)



Cyan (35%)

Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.9970, 42.9954, 77.9315 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 43.9970, 42.9954, 77.9315 by changing the saturation by 10% instead.

■ 43.9970, 42.9954,
77.9315

■ 43.9970, 42.9954,
77.9315

353.5485,
358.5929, 507.4559

■ 30.8661, 29.8815,
57.5016

■ 80.4596, 79.7039,
132.2385

■ 20.6482, 19.7487,
40.9960

■ 104.5220,
104.0673, 166.9528

■ 12.9781, 12.2125,
27.9963

132.9589,
132.9494, 207.2655

■ 7.4904, 6.8886,
18.0839

166.1356,
166.7344, 253.5953

■ 3.8196, 3.3925,
10.8402

204.4176,
205.8069, 306.3607

■ 1.6006, 1.3399,
5.8466

248.1702,

■ 0.3928, 0.1718,

250.5512, 365.9803

2.6848

297.7587,
301.3517, 432.8725

■ 0.0000, 0.0000,
0.9357

■ 0.0000, 0.0000,
0.0000

■ 43.9970, 42.9954,
77.9315

■ 43.9970, 42.9954,
77.9315

■ 36.1800, 33.7332,
76.5564

■ 53.2207, 53.8356,
79.5385

■ 29.6960, 25.9702,
75.3998

■ 63.9112, 66.3174,
81.3842

■ 24.4715, 19.6286,
74.4511

■ 76.1304, 80.5072,
83.4791

■ 20.4236, 14.6216,
73.6980

■ 89.7869, 96.3896,
85.8250

■ 17.4595, 10.8524,
73.1267

■ 90.7276, 98.2710,
86.1385

■ 15.4722, 8.2112,
72.7216

■ 14.3282, 6.5658,
72.4643

■ 14.0957, 6.2271,
72.4112

Harmonies

Analogous

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



39.0002, 42.9954, 79.1881



43.9970, 42.9954, 77.9315



48.4804, 42.9954, 67.4073

Triad

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



43.9970, 42.9954, 77.9315



47.5353, 42.9954, 29.1045



32.1760, 42.9954, 41.5950

Complementary

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



43.9970, 42.9954, 77.9315



63.4876, 69.5485, 45.6766

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.



34.0935, 42.9954, 30.9116



43.9970, 42.9954, 77.9315



42.7901, 42.9954, 24.7416

Square

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



43.9970, 42.9954, 77.9315



50.6350, 42.9954, 38.6006



37.8869, 42.9954, 25.3279



32.4417, 42.9954, 56.1185

Rectangle

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



43.9970, 42.9954, 77.9315



50.4495, 42.9954, 57.5601



37.8869, 42.9954, 25.3279



32.5799, 42.9954, 37.4974

Sweetspot

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



43.9984, 42.9971, 77.9325



82.4463, 85.3486, 106.7363



55.4852, 67.5012, 77.0428



17.1709, 17.7133, 22.7640



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.



43.9984, 42.9971, 77.9325



52.2574, 49.9203, 101.4891



48.0173, 43.1426, 77.7488



13.0781, 13.4953, 17.3033



8.0851, 3.6398, 41.3248



0.6032, 0.3379, 2.8787

Inverse Universe

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



52.2667, 46.0588, 45.1671



64.7833, 54.7099, 51.8176



58.5131, 69.7529, 45.9782



13.7709, 13.7260, 14.5637



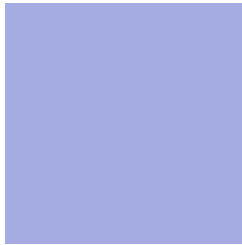
18.0212, 9.2755, 1.5115



1.2707, 0.6516, 0.2185

Previews

White Background



This preview shows how the XYZ color 43.9970, 42.9954, 77.9315 looks on a white background.

Color Contrast Check

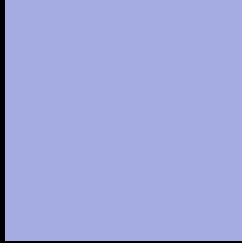
Large Text (above 18pt) WCAG AA × Fail

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 43.9970, 42.9954, 77.9315 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 43.9970, 42.9954, 77.9315

Background



This preview shows how black text looks on a background with the XYZ color 43.9970, 42.9954, 77.9315.



This preview shows how white text looks on a background with the XYZ color 43.9970, 42.9954,

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

43.9970, 42.9954, 77.9315

Protanopia

43.5066, 43.0103, 78.6818

Deuteranopia

43.9970, 42.9954, 77.9315



Tritanopia

39.5354, 42.9157, 56.0690

Trichromacy



Original Color

43.9970, 42.9954, 77.9315

Protanomaly

43.7090, 43.1146, 78.6913

Deuteranomaly

43.9970, 42.9954, 77.9315

Tritanomaly

41.1224, 42.9874, 63.2568

Monochromacy



Original Color

43.9970, 42.9954, 77.9315

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.0808, 43.3256, 57.1837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.9970, 42.9954, 77.9315 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(165, 172, 226)` looks like.

```
.text, #text, p{  
    color:rgb(165, 172, 226)  
}
```

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(165, 172, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 172, 226) }
```

Border

The CSS property to change the border of an element to XYZ 43.9970, 42.9954, 77.9315 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(165, 172, 226) }
```


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

```
.border{ border-color:rgb(165, 172, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 172, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 172, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 172, 226);  
box-shadow:4px 4px 4px 4px rgb(165, 172,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 43.9970, 42.9954, 77.9315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 172, 226) }
```

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

```
.background{ background-color: rgb(165,  
172, 226) }
```

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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