

Converting Colors

XYZ(39.9089, 33.3837, 74.1411)

Have a look what the booklet for
XYZ(39.9089, 33.3837, 74.1411)
contains.

XYZ(40.0055, 33.4444, 74.1589)	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(40.0055, 33.4444,
74.1589)**

Conversions

Conversions Part 1

Format	Color
Hex	AC8EDF
RGB	172, 142, 223
RGB Percent	67%, 56%, 87%
CMY	0.3255, 0.4431, 0.1255
CMYK	0.23, 0.36, 0.00, 0.13
HSL	262°, 56%, 72%
HSV	262°, 36%, 87%
XYZ	40.0055, 33.4444, 74.1589
YIQ	160.2040, -8.1210, 31.5510

Conversions

Conversions Part 2

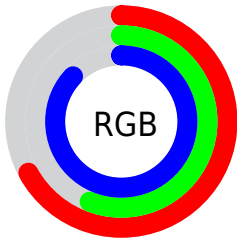
Format	Color
R_{YB}	172, 142, 223
Decimal	11308767
CIE _{Lab}	64.52, 27.65, -37.14
CIE _{LCh}	65, 46.301, 306.663
Yxy	33.4444, 0.2710, 0.2266
Android (android.graphics.Color)	4289498847 (0xFFAC8EDF)
YUV	160.2040, 30.9584, 10.3451
Hunter-Lab	57.8311, 22.2754, -35.5479

Details

The XYZ color **40.0055, 33.4444, 74.1589** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **53.2635, 66.0666, 35.5374**, and the grayscale version is **33.3730, 35.1110, 38.2359**.

A 20% lighter version of the original color is **70.1030, 63.3579, 103.1422**, and **18.1874, 14.1237, 38.3268** is the 20% darker color. If you saturate the color by 10%, you get **34.0932, 25.9547, 73.0254**, and if you desaturate by 10%, it is **46.9094, 42.4320, 75.5304**.

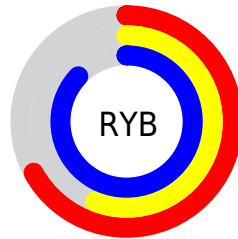
Distribution



Red (67%)

Green (56%)

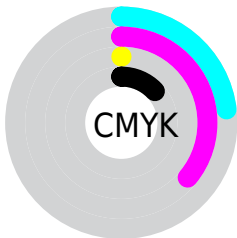
Blue (87%)



Red (67%)

Yellow (56%)

Blue (87%)

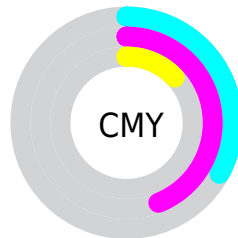


Cyan (23%)

Magenta (36%)

Yellow (0%)

Black (13%)



Cyan (33%)


Magenta (44%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0055, 33.4444, 74.1589 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 40.0055, 33.4444, 74.1589 by changing the saturation by 10% instead.


 40.0055, 33.4444,
74.1589


 40.0055, 33.4444,
74.1589

337.2808,
317.6475, 494.1997


 27.7271, 22.4671,
54.4265


 74.4562, 65.0687,
126.8572

 18.2594, 14.2005,
38.5473

 97.3591, 86.4845,
160.6601

 11.2372, 8.2603,
26.1026


 124.5343,
112.1487, 199.9904

 6.2951, 4.2619,
16.6740

156.3470,
142.4455, 245.2664

 3.0677, 1.8211,
9.8428

193.1627,
177.7594, 296.9068

 1.1897, 0.5003,
5.1906

235.3466,

 0.0982, 0.0000,

218.4747, 355.3302

2.2988

283.2642,
264.9760, 420.9549

■ 0.0000, 0.0000,
0.7306

■ 0.0000, 0.0000,
0.0000

■ 40.0055, 33.4444,
74.1589

■ 40.0055, 33.4444,
74.1589

■ 34.0932, 25.9547,
73.0254

■ 46.9094, 42.4320,
75.5304

■ 29.1192, 19.8740,
72.1139

■ 54.8476, 52.9914,
77.1502

■ 25.0300, 15.1103,
71.4099

■ 63.8643, 65.1964,
79.0307

■ 21.7646, 11.5580,
70.8964

■ 73.9999, 79.1149,
81.1831

■ 19.2531, 9.0950,
70.5533

■ 85.2929, 94.8108,
83.6175

■ 17.4100, 7.5687,
70.3559

■ 90.3194, 98.1078,
83.9889

■ 16.8508, 7.1483,
70.3042

Harmonies

Analogous

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



33.2869, 33.4444, 85.9164



40.0055, 33.4444, 74.1589



44.9585, 33.4444, 52.8398

Triad

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



40.0055, 33.4444, 74.1589



37.0987, 33.4444, 12.1599



20.7521, 33.4444, 40.8083

Complementary

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



40.0055, 33.4444, 74.1589



53.2635, 66.0666, 35.5374

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.



21.4790, 33.4444, 23.8047



40.0055, 33.4444, 74.1589



30.3346, 33.4444, 10.8905

Square

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



40.0055, 33.4444, 74.1589



43.1242, 33.4444, 18.7046



24.7805, 33.4444, 14.3102



22.6358, 33.4444, 62.7909

Rectangle

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



40.0055, 33.4444, 74.1589



46.2550, 33.4444, 38.5778



24.7805, 33.4444, 14.3102



20.7037, 33.4444, 34.3351

Sweetspot

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



40.0067, 33.4457, 74.1597



80.5437, 80.1937, 105.8416



43.6121, 49.3524, 77.0399



16.8844, 16.6842, 22.5804



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.



40.0067, 33.4457, 74.1597



47.6948, 37.0392, 99.2432



50.2023, 38.7018, 74.6368



13.4292, 13.4893, 17.2836



10.0225, 4.2621, 41.3428



0.7913, 0.3452, 2.8702

Inverse Universe

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



49.7311, 38.8855, 55.3378



63.0993, 45.6716, 68.7370



44.3704, 61.4820, 35.1213



14.0685, 13.8450, 16.1306



20.7505, 10.3672, 15.8840



1.4811, 0.7357, 1.3264

Previews

White Background



This preview shows how the XYZ color 40.0055, 33.4444, 74.1589 looks on a white background.

Color Contrast Check

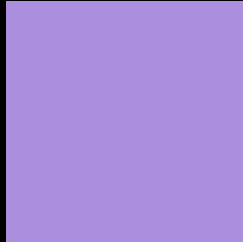
Large Text (above 18pt) WCAG AA × Fail

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 40.0055, 33.4444, 74.1589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

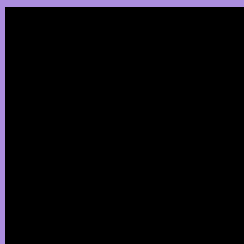
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0055, 33.4444, 74.1589

Background



This preview shows how black text looks on a background with the XYZ color 40.0055, 33.4444, 74.1589.



This preview shows how white text looks on a background with the XYZ color 40.0055, 33.4444,

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

40.0055, 33.4444, 74.1589

Protanopia

35.4695, 33.7402, 81.7339

Deuteranopia

34.4711, 33.6783, 72.3939



Tritanopia

33.3388, 33.5458, 40.7942

Trichromacy



Original Color

40.0055, 33.4444, 74.1589

Protanomaly

36.7263, 33.4896, 78.6572

Deuteranomaly

36.1702, 33.3291, 72.9334

Tritanomaly

35.6019, 33.5075, 51.6049

Monochromacy



Original Color

40.0055, 33.4444, 74.1589

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.2483, 34.0939, 49.5227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0055, 33.4444, 74.1589 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(172, 142, 223)` looks like.

```
.text, #text, p{  
    color:rgb(172, 142, 223)  
}
```

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(172, 142, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 142, 223) }
```

Border

The CSS property to change the border of an element to XYZ 40.0055, 33.4444, 74.1589 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(172, 142, 223) }
```


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

```
.border{ border-color:rgb(172, 142, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 142, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 142, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 142, 223);  
box-shadow:4px 4px 4px 4px rgb(172, 142,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0055, 33.4444, 74.1589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 142, 223) }
```

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

```
.background{ background-color: rgb(172,  
142, 223) }
```

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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