

Converting Colors

XYZ(44.7369, 39.0959, 85.3096)

Have a look what the booklet for
XYZ(44.7369, 39.0959, 85.3096)
contains.

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Color

**XYZ(44.7986, 39.2270,
85.3312)**

Conversions

Conversions Part 1

Format	Color
Hex	AE9DED
RGB	174, 157, 237
RGB Percent	68%, 62%, 93%
CMY	0.3176, 0.3843, 0.0706
CMYK	0.27, 0.34, 0.00, 0.07
HSL	253°, 69%, 77%
HSV	253°, 34%, 93%
XYZ	44.7986, 39.2270, 85.3312
YIQ	171.2030, -15.5480, 28.4840

Conversions

Conversions Part 2

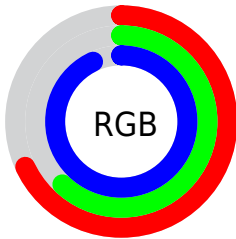
Format	Color
RYB	174, 157, 237
Decimal	11443693
CIELab	68.92, 23.10, -37.99
CIElCh	69, 44.460, 301.305
Yxy	39.2270, 0.2645, 0.2316
Android (android.graphics.Color)	4289633773 (0xFFAE9DED)
YUV	171.2030, 32.4379, 2.4530
Hunter-Lab	62.6315, 18.0712, -36.9367

Details

The XYZ color **44.7986, 39.2270, 85.3312** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **65.8860, 78.2191, 43.5250**, and the grayscale version is **38.6595, 40.6728, 44.2926**.

A 20% lighter version of the original color is **74.5485, 71.2959, 104.4401**, and **21.2403, 17.6373, 46.0009** is the 20% darker color. If you saturate the color by 10%, you get **37.2981, 29.9749, 83.9414**, and if you desaturate by 10%, it is **53.6573, 50.3354, 87.0091**.

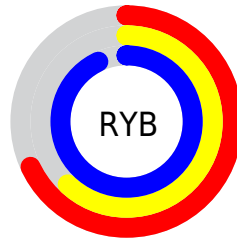
Distribution



Red (68%)

Green (62%)

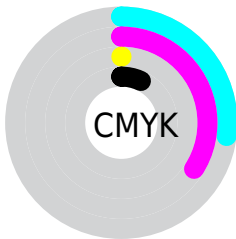
Blue (93%)



Red (68%)

Yellow (62%)

Blue (93%)

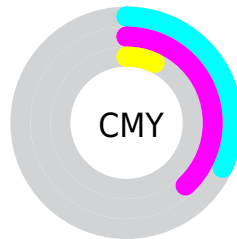


Cyan (27%)

Magenta (34%)

Yellow (0%)

Black (7%)



Cyan (32%)

Magenta (38%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7986, 39.2270, 85.3312 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 44.7986, 39.2270, 85.3312 by changing the saturation by 10% instead.

■ 44.7986, 39.2270,
85.3312

■ 44.7986, 39.2270,
85.3312

356.7547,
342.8546, 532.8965

■ 31.4994, 26.9364,
63.5634

■ 81.6570, 73.9850,
142.7141

■ 21.1331, 17.5254,
45.8532

■ 105.9470, 97.2211,
179.1662

■ 13.3344, 10.6098,
31.7822

134.6313,
124.8745, 221.3502

■ 7.7378, 5.8051,
20.9317

168.0752,
157.3296, 269.6845

■ 3.9780, 2.7269,
12.8833

206.6442,
194.9708, 324.5878

■ 1.6897, 0.9909,
7.2185

250.7035,

■ 0.4498, 0.0000,

238.1824, 386.4785

3.5186

300.6186,
287.3489, 455.7752

■ 0.0000, 0.0000,
1.3652

■ 0.0000, 0.0000,
0.1143

■ 44.7986, 39.2270,
85.3312

■ 44.7986, 39.2270,
85.3312

■ 37.2981, 29.9749,
83.9414

■ 53.6573, 50.3354,
87.0091

■ 31.0828, 22.4719,
82.8207

■ 63.9338, 63.3900,
88.9873

■ 26.0791, 16.6070,
81.9524

■ 75.6894, 78.4803,
91.2804

■ 22.2036, 12.2541,
81.3165

■ 88.9800, 95.6889,
93.9015

■ 19.3619, 9.2685,
80.8900

■ 92.2862, 98.8945,
94.3460

■ 17.4422, 7.4754,
80.6450

■ 16.6196, 6.8019,
80.5584

Harmonies

Analogous

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



37.5943, 39.2270, 94.6192



44.7986, 39.2270, 85.3312



50.5173, 39.2270, 64.2520

Triad

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



44.7986, 39.2270, 85.3312



44.1958, 39.2270, 16.8637



25.2835, 39.2270, 43.6036

Complementary

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



44.7986, 39.2270, 85.3312



65.8860, 78.2191, 43.5250

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.



26.5907, 39.2270, 26.6198



44.7986, 39.2270, 85.3312



36.9756, 39.2270, 14.4251

Square

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



44.7986, 39.2270, 85.3312



50.1395, 39.2270, 25.5158



30.6607, 39.2270, 17.3450



26.8384, 39.2270, 66.2876

Rectangle

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



44.7986, 39.2270, 85.3312



52.3921, 39.2270, 48.8685



30.6607, 39.2270, 17.3450



25.4015, 39.2270, 37.0947

Sweetspot

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



44.8000, 39.2285, 85.3321



80.4420, 81.1841, 106.0381



55.0483, 64.9965, 89.7657



16.8094, 16.8534, 22.6170



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.



44.8000, 39.2285, 85.3321



46.1884, 38.0230, 99.5125



54.7847, 44.3759, 85.7994



14.5304, 14.7032, 18.9944



9.1625, 3.7594, 43.9857



0.7984, 0.3359, 3.4576

Inverse Universe

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



59.9013, 47.2871, 73.6810



66.8952, 49.0874, 82.8771



55.4272, 72.8274, 43.0355



15.5698, 15.2558, 18.2856



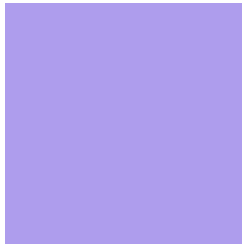
23.9936, 11.8001, 26.8315



1.9183, 0.9403, 2.2869

Previews

White Background



This preview shows how the XYZ color 44.7986, 39.2270, 85.3312 looks on a white background.

Color Contrast Check

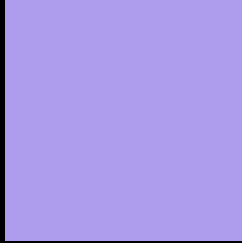
Large Text (above 18pt) WCAG AA × Fail

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 44.7986, 39.2270, 85.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

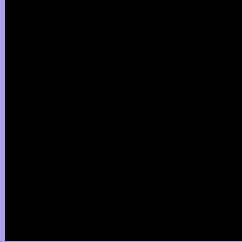
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7986, 39.2270, 85.3312

Background



This preview shows how black text looks on a background with the XYZ color 44.7986, 39.2270, 85.3312.



This preview shows how white text looks on a background with the XYZ color 44.7986, 39.2270,

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

44.7986, 39.2270, 85.3312

Protanopia

41.2930, 39.6437, 91.0636

Deuteranopia

40.3087, 39.2903, 84.0566



Tritanopia

37.4474, 39.1280, 49.2948

Trichromacy



Original Color

44.7986, 39.2270, 85.3312

Protanomaly

42.3008, 39.4153, 88.5975

Deuteranomaly

41.9478, 39.3184, 84.7352

Tritanomaly

39.7544, 38.9835, 60.6876

Monochromacy



Original Color

44.7986, 39.2270, 85.3312

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.4998, 39.9832, 57.2127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7986, 39.2270, 85.3312 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(174, 157, 237)` looks like.

```
.text, #text, p{  
    color:rgb(174, 157, 237)  
}
```

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(174, 157, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 157, 237) }
```

Border

The CSS property to change the border of an element to XYZ 44.7986, 39.2270, 85.3312 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(174, 157, 237) }
```


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

```
.border{ border-color:rgb(174, 157, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 157, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 157, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 157, 237);  
box-shadow:4px 4px 4px 4px rgb(174, 157,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7986, 39.2270, 85.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 157, 237) }
```

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

```
.background{ background-color: rgb(174,  
157, 237) }
```

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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