

Converting Colors

XYZ(39.2365, 33.6415, 77.8357)

Have a look what the booklet for
XYZ(39.2365, 33.6415, 77.8357)
contains.

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Color

**XYZ(39.2332, 33.6388,
77.8239)**

Conversions

Conversions Part 1

Format	Color
Hex	A391E4
RGB	163, 145, 228
RGB Percent	64%, 57%, 89%
CMY	0.3608, 0.4314, 0.1059
CMYK	0.29, 0.36, 0.00, 0.11
HSL	253°, 61%, 73%
HSV	253°, 36%, 89%
XYZ	39.2332, 33.6388, 77.8239
YIQ	159.8440, -15.9150, 29.6290

Conversions

Conversions Part 2

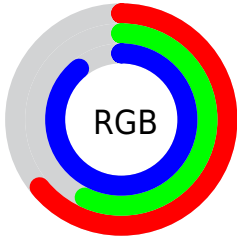
Format	Color
R_{YB}	163, 145, 228
Decimal	10719716
CIE _{Lab}	64.67, 24.55, -39.72
CIE _{LCh}	65, 46.698, 301.714
Yxy	33.6388, 0.2603, 0.2232
Android (android.graphics.Color)	4288909796 (0xFFA391E4)
YUV	159.8440, 33.6009, 2.7678
Hunter-Lab	57.9990, 19.2475, -38.9570

Details

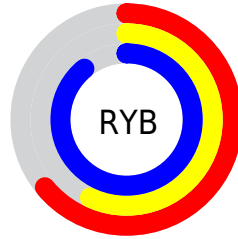
The XYZ color **39.2332, 33.6388, 77.8239** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **59.4335, 71.2335, 37.4064**, and the grayscale version is **33.1983, 34.9272, 38.0357**.

A 20% lighter version of the original color is **67.6868, 63.1269, 103.2250**, and **17.7558, 14.2352, 40.8416** is the 20% darker color. If you saturate the color by 10%, you get **32.6912, 25.6036, 76.6183**, and if you desaturate by 10%, it is **46.9929, 43.3408, 79.2882**.

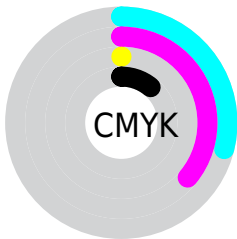
Distribution



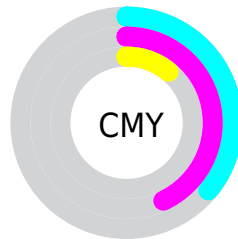
- Red (64%)
- Green (57%)
- Blue (89%)



- Red (64%)
- Yellow (57%)
- Blue (89%)



- Cyan (29%)
- Magenta (36%)
- Yellow (0%)
- Black (11%)



- Cyan (36%)
- Magenta (43%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2332, 33.6388, 77.8239 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 39.2332, 33.6388, 77.8239 by changing the saturation by 10% instead.

■ 39.2332, 33.6388,
77.8239

■ 39.2332, 33.6388,
77.8239

334.0711,
318.5185, 507.0806

■ 27.1227, 22.6163,
57.4137

■ 73.2862, 65.3716,
132.0855

■ 17.8025, 14.3104,
40.9259

■ 95.9595, 86.8506,
166.7739

■ 10.9071, 8.3369,
27.9420

122.8844,
112.5839, 207.0589

■ 6.0712, 4.3113,
18.0432

154.4263,
142.9559, 253.3590

■ 2.9295, 1.8492,
10.8113

190.9506,
178.3509, 306.0926

■ 1.1166, 0.5175,
5.8275

232.8226,

■ 0.0389, 0.0000,

219.1535, 365.6784

2.6734

280.4076,
265.7478, 432.5349

■ 0.0000, 0.0000,
0.9300

■ 0.0000, 0.0000,
0.0000

■ 39.2332, 33.6388,
77.8239

■ 39.2332, 33.6388,
77.8239

■ 32.6912, 25.6036,
76.6183

■ 46.9929, 43.3408,
79.2882

■ 27.2997, 19.1362,
75.6542

■ 56.0254, 54.7934,
81.0227

■ 22.9903, 14.1328,
74.9155

■ 66.3870, 68.0791,
83.0410

■ 19.6856, 10.4753,
74.3838

■ 78.1291, 83.2741,
85.3550

■ 17.2967, 8.0266,
74.0370

■ 90.0102, 97.8693,
87.5460

■ 15.7163, 6.6165,
73.8481

■ 91.0037, 98.3815,
87.5925

■ 15.2919, 6.2656,
73.8028

Harmonies

Analogous

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



32.3596, 33.6388, 87.2581



39.2332, 33.6388, 77.8239



44.7097, 33.6388, 57.0363

Triad

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



39.2332, 33.6388, 77.8239



38.4732, 33.6388, 12.7993



20.7485, 33.6388, 37.7417

Complementary

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



39.2332, 33.6388, 77.8239



59.4335, 71.2335, 37.4064

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.



21.9183, 33.6388, 21.7796



39.2332, 33.6388, 77.8239



31.5889, 33.6388, 10.7433

Square

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



39.2332, 33.6388, 77.8239



44.2296, 33.6388, 20.4557



25.6682, 33.6388, 13.3547



22.2193, 33.6388, 59.6432

Rectangle

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



39.2332, 33.6388, 77.8239



46.4880, 33.6388, 42.2044



25.6682, 33.6388, 13.3547



20.8451, 33.6388, 31.5639

Sweetspot

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



39.2344, 33.6401, 77.8247



79.1205, 79.4600, 105.7750



48.7324, 57.7236, 81.9727



16.5469, 16.5102, 22.5646



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.



39.2344, 33.6401, 77.8247



43.8068, 35.0348, 99.0613



49.1646, 38.7593, 78.2894



13.8736, 14.0371, 18.1225



8.9120, 3.6602, 42.6199



0.7363, 0.3106, 3.1531

Inverse Universe

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



53.7541, 41.3992, 66.1315



65.4094, 46.5957, 80.9019



49.1140, 65.9136, 36.9234



14.8543, 14.5589, 17.4329



23.1932, 11.4115, 25.7099



1.7472, 0.8566, 2.0754

Previews

White Background



This preview shows how the XYZ color 39.2332, 33.6388, 77.8239 looks on a white background.

Color Contrast Check

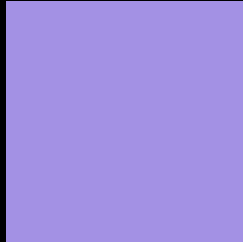
Large Text (above 18pt) WCAG AA × Fail

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 39.2332, 33.6388, 77.8239 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 39.2332, 33.6388, 77.8239

Background



This preview shows how black text looks on a background with the XYZ color 39.2332, 33.6388, 77.8239.



This preview shows how white text looks on a background with the XYZ color 39.2332, 33.6388,

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

39.2332, 33.6388, 77.8239

Protanopia

35.7492, 33.8345, 84.0034

Deuteranopia

34.6547, 33.6795, 76.6258



Tritanopia

31.9809, 33.5578, 42.3278

Trichromacy



Original Color

39.2332, 33.6388, 77.8239

Protanomaly

36.7591, 33.6791, 81.6541

Deuteranomaly

36.0871, 33.4301, 77.2237

Tritanomaly

34.2031, 33.4687, 53.3726

Monochromacy



Original Color

39.2332, 33.6388, 77.8239

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.1762, 34.5225, 50.7085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2332, 33.6388, 77.8239 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(163, 145, 228)` looks like.

```
.text, #text, p{  
    color:rgb(163, 145, 228)  
}
```

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(163, 145, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 145, 228) }
```

Border

The CSS property to change the border of an element to XYZ 39.2332, 33.6388, 77.8239 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(163, 145, 228) }
```


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

```
.border{ border-color:rgb(163, 145, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 145, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 145, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 145, 228);  
box-shadow:4px 4px 4px 4px rgb(163, 145,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2332, 33.6388, 77.8239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 145, 228) }
```

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

```
.background{ background-color: rgb(163,  
145, 228) }
```

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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