

Converting Colors

XYZ(33.8606, 19.7079, 79.6440)

Have a look what the booklet for
XYZ(33.8606, 19.7079, 79.6440)
contains.

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Color

**XYZ(33.8673, 19.6833,
79.8561)**

Conversions

Conversions Part 1

Format	Color
Hex	A94DEA
RGB	169, 77, 234
RGB Percent	66%, 30%, 92%
CMY	0.3372, 0.6980, 0.0824
CMYK	0.28, 0.67, 0.00, 0.08
HSL	275°, 79%, 61%
HSV	275°, 67%, 92%
XYZ	33.8673, 19.6833, 79.8561
YIQ	122.4060, 4.4350, 68.3310

Conversions

Conversions Part 2

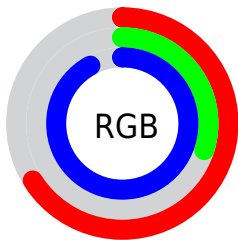
Format	Color
RYB	169, 77, 234
Decimal	11095530
CIELab	51.48, 63.62, -64.02
CIELCh	51, 90.260, 314.821
Yxy	19.6833, 0.2539, 0.1475
Android (android.graphics.Color)	4289285610 (0xFFA94DEA)
YUV	122.4060, 55.0158, 40.8629
Hunter-Lab	44.3659, 58.6202, -75.6626

Details

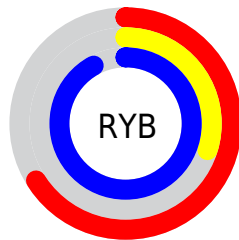
The XYZ color **33.8673, 19.6833, 79.8561** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **41.9180, 65.1326, 17.3843**, and the grayscale version is **18.4569, 19.4181, 21.1463**.

A 20% lighter version of the original color is **58.2962, 40.2165, 99.2978**, and **14.6353, 6.8417, 42.1442** is the 20% darker color. If you saturate the color by 10%, you get **30.5127, 15.9452, 79.3118**, and if you desaturate by 10%, it is **37.9662, 24.6792, 80.6048**.

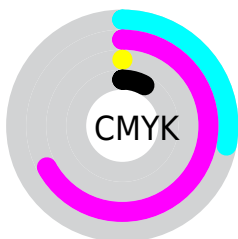
Distribution



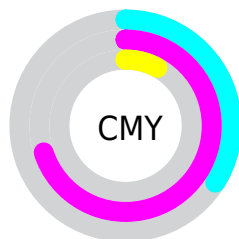
- Red (66%)
- Green (30%)
- Blue (92%)



- Red (66%)
- Yellow (30%)
- Blue (92%)



- Cyan (28%)
- Magenta (67%)
- Yellow (0%)
- Black (8%)



- Cyan (34%)
- Magenta (70%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8673, 19.6833, 79.8561 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 33.8673, 19.6833, 79.8561 by changing the saturation by 10% instead.

33.8673, 19.6833,
79.8561

33.8673, 19.6833,
79.8561

311.1363,
250.1954, 514.1417

22.9541, 12.1650,
59.0745

65.0729, 42.8856,
134.9730

14.6801, 6.8562,
42.2527

86.0960, 59.3384,
170.1453

8.6800, 3.3723,
28.9721

111.2198, 79.5382,
210.9516

4.5885, 1.3291,
18.8143

140.8096,
103.8693, 257.8104

2.0402, 0.1635,
11.3608

175.2308,
132.7162, 311.1403

0.6564, 0.0000,
6.1928

214.8488,

0.0000, 0.0000,

166.4633, 371.3598

2.8920

260.0288,
205.4949, 438.8874

■ 0.0000, 0.0000,
1.0398

■ 0.0000, 0.0000,
0.0000

■ 33.8673, 19.6833,
79.8561

■ 33.8673, 19.6833,
79.8561

■ 30.5127, 15.9452,
79.3118

■ 37.9662, 24.6792,
80.6048

■ 27.8300, 13.3281,
78.9480


■ 42.8667, 31.0460,
81.5754


■ 25.7302, 11.6584,
78.7364


■ 48.6228, 38.8859,
82.7853


■ 25.1881, 11.2693,
78.6899


■ 55.2826, 48.2909,
84.2496

 62.8905, 59.3450,
85.9823

 71.4876, 72.1263,
87.9962

 81.1124, 86.7077,
90.3034

 88.7946, 97.1447,
91.9131

 91.8513, 98.7205,
92.0561

Harmonies

Analogous

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



23.5268, 19.6833, 114.8638



33.8673, 19.6833, 79.8561



41.0553, 19.6833, 37.3255

Triad

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



33.8673, 19.6833, 79.8561



23.6495, 19.6833, 0.1149



6.4168, 19.6833, 36.8914

Complementary

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



33.8673, 19.6833, 79.8561



41.9180, 65.1326, 17.3843

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.



6.4306, 19.6833, 10.8444



33.8673, 19.6833, 79.8561



14.5973, 19.6833, 0.1047

Square

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



33.8673, 19.6833, 79.8561



33.9817, 19.6833, 1.9939



8.9208, 19.6833, 1.9490



8.8740, 19.6833, 79.3276

Rectangle

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



33.8673, 19.6833, 79.8561



41.9843, 19.6833, 17.5069



8.9208, 19.6833, 1.9490



6.1664, 19.6833, 25.9033

Sweetspot

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



33.8682, 19.6840, 79.8566



73.5371, 67.8788, 103.8338



27.6475, 26.9892, 81.5945



15.1770, 13.7097, 22.0963



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.



33.8682, 19.6840, 79.8566



35.5924, 17.8599, 96.1791



49.6260, 28.0167, 71.1410



15.0771, 14.9850, 19.0200



14.3007, 6.4082, 44.2261



1.2319, 0.5594, 3.4779

Inverse Universe

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



41.4684, 24.7537, 28.1837



46.6159, 25.1311, 24.9345



34.3329, 61.1634, 19.6883



15.3241, 15.1575, 16.9918



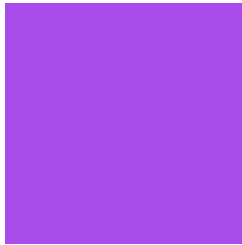
20.3363, 10.3372, 7.5721



1.6437, 0.8305, 0.8413

Previews

White Background



This preview shows how the XYZ color 33.8673, 19.6833, 79.8561 looks on a white background.

Color Contrast Check

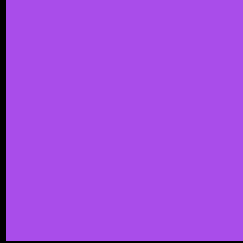
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8673, 19.6833, 79.8561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

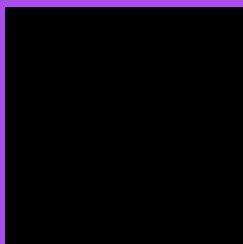
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8673, 19.6833, 79.8561

Background



This preview shows how black text looks on a background with the XYZ color 33.8673, 19.6833, 79.8561.



This preview shows how white text looks on a background with the XYZ color 33.8673, 19.6833,

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

33.8673, 19.6833, 79.8561

Protanopia

23.8910, 19.9219, 93.8529

Deuteranopia

20.3848, 19.8877, 71.1709



Tritanopia

21.9340, 19.6748, 20.7307

Trichromacy



Original Color

33.8673, 19.6833, 79.8561



Protanomaly

23.2561, 17.2852, 88.4968



Deuteranomaly

21.0145, 17.2082, 74.1654



Tritanomaly

24.9834, 18.8911, 36.5120

Monochromacy



Original Color

33.8673, 19.6833, 79.8561



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

22.4124, 18.4414, 37.0286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8673, 19.6833, 79.8561 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(169, 77, 234)` looks like.

```
.text, #text, p{  
    color:rgb(169, 77, 234)  
}
```

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(169, 77, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 77, 234) }
```

Border

The CSS property to change the border of an element to XYZ 33.8673, 19.6833, 79.8561 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(169, 77, 234) }
```


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

```
.border{ border-color:rgb(169, 77, 234) }
```

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

Here you see how a box with a 4 pixel rgb(169, 77, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 77, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 77, 234);  
box-shadow:4px 4px 4px 4px rgb(169, 77,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8673, 19.6833, 79.8561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 77, 234) }
```

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

```
.background{ background-color: rgb(169, 77,  
234) }
```

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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