

Converting Colors

XYZ(32.3202, 19.5763, 71.0769)

Have a look what the booklet for
XYZ(32.3202, 19.5763, 71.0769)
contains.

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Color

**XYZ(32.3506, 19.6333,
71.1918)**

Conversions

Conversions Part 1

Format	Color
Hex	A852DE
RGB	168, 82, 222
RGB Percent	66%, 32%, 87%
CMY	0.3412, 0.6784, 0.1294
CMYK	0.24, 0.63, 0.00, 0.13
HSL	277°, 68%, 60%
HSV	277°, 63%, 87%
XYZ	32.3506, 19.6333, 71.1918
YIQ	123.6740, 6.3160, 61.7720

Conversions

Conversions Part 2

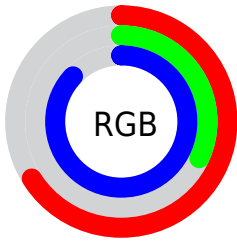
Format	Color
R _{YB}	168, 82, 222
Decimal	11031262
CIE _{Lab}	51.42, 58.50, -57.35
CIE _{LCh}	51, 81.918, 315.569
Yxy	19.6333, 0.2626, 0.1594
Android (android.graphics.Color)	4289221342 (0xFFA852DE)
YUV	123.6740, 48.4747, 38.8739
Hunter-Lab	44.3095, 52.7823, -64.2443

Details

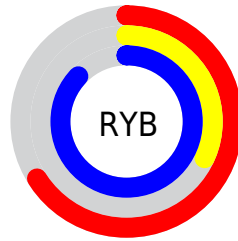
The XYZ color **32.3506, 19.6333, 71.1918** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **37.7978, 58.0863, 17.2027**, and the grayscale version is **18.8933, 19.8772, 21.6463**.

A 20% lighter version of the original color is **58.2182, 40.9971, 99.4525**, and **13.7861, 6.8279, 36.6677** is the 20% darker color. If you saturate the color by 10%, you get **29.1760, 15.9010, 70.6391**, and if you desaturate by 10%, it is **36.1883, 24.5116, 71.9315**.

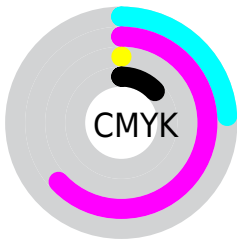
Distribution



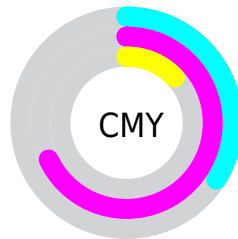
- Red (66%)
- Green (32%)
- Blue (87%)



- Red (66%)
- Yellow (32%)
- Blue (87%)



- Cyan (24%)
- Magenta (63%)
- Yellow (0%)
- Black (13%)



- Cyan (34%)
- Magenta (68%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3506, 19.6333, 71.1918 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 32.3506, 19.6333, 71.1918 by changing the saturation by 10% instead.

■ 32.3506, 19.6333,
71.1918

■ 32.3506, 19.6333,
71.1918

304.4303,
249.9230, 483.6254

■ 21.7863, 12.1288,
52.0159

■ 62.7218, 42.8015,
122.6038

■ 13.8157, 6.8314,
36.6355

■ 83.2594, 59.2340,
155.6770

■ 8.0734, 3.3569,
24.6318

■ 107.8521, 79.4113,
194.2197

■ 4.1942, 1.3208,
15.5864

■ 136.8654,
103.7177, 238.6506

■ 1.8126, 0.1572,
9.0808

■ 170.6644,
132.5377, 289.3880

■ 0.5252, 0.0000,
4.6964

209.6147,

■ 0.0000, 0.0000,

166.2556, 346.8506

2.0146

254.0815,
205.2559, 411.4568

■ 0.0000, 0.0000,
0.5643

■ 0.0000, 0.0000,
0.0000

■ 32.3506, 19.6333,
71.1918

■ 32.3506, 19.6333,
71.1918

■ 29.1760, 15.9010,
70.6391

■ 36.1883, 24.5116,
71.9315

■ 26.6052, 13.2025,
70.2537

■ 40.7358, 30.6290,
72.8726

■ 24.5709, 11.4058,
70.0141

■ 46.0384, 38.0717,
74.0297

■ 23.3992, 10.5396,
69.9087

■ 52.1363, 46.9172,
75.4157

■ 59.0667, 57.2367,
77.0423

■ 66.8644, 69.0969,
78.9205

■ 75.5620, 82.5601,
81.0608

■ 83.7045, 94.7132,
82.9774

■ 86.6242, 96.2184,
83.1140

Harmonies

Analogous

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



23.2250, 19.6333, 101.1583



32.3506, 19.6333, 71.1918



38.4958, 19.6333, 34.7344

Triad

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



32.3506, 19.6333, 71.1918



22.8764, 19.6333, 0.6517



7.2134, 19.6333, 35.9470

Complementary

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



32.3506, 19.6333, 71.1918



37.7978, 58.0863, 17.2027

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.



7.1704, 19.6333, 11.9764



32.3506, 19.6333, 71.1918



14.7376, 19.6333, 0.6812

Square

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



32.3506, 19.6333, 71.1918



32.0317, 19.6333, 2.6205



9.5080, 19.6333, 2.7804



9.6501, 19.6333, 72.6172

Rectangle

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



32.3506, 19.6333, 71.1918



39.1860, 19.6333, 17.2844



9.5080, 19.6333, 2.7804



6.9489, 19.6333, 26.0702

Sweetspot

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



32.3514, 19.6341, 71.1923



74.9500, 69.5144, 104.0751



25.7535, 25.2453, 72.6231



15.4752, 14.0395, 22.1442



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.



32.3514, 19.6341, 71.1923



38.6103, 20.3123, 96.4934



44.5271, 26.1187, 62.3695



13.7564, 13.6579, 17.2989



14.0263, 6.3261, 41.5302



1.0714, 0.4896, 2.8833

Inverse Universe

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



37.5858, 23.3422, 25.8170



47.3597, 26.3950, 25.8721



31.7127, 54.8813, 19.9886



13.9250, 13.7876, 15.3750



18.9324, 9.6400, 6.3100



1.3551, 0.6853, 0.6630

Previews

White Background



This preview shows how the XYZ color 32.3506, 19.6333, 71.1918 looks on a white background.

Color Contrast Check

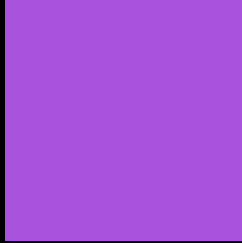
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3506, 19.6333, 71.1918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

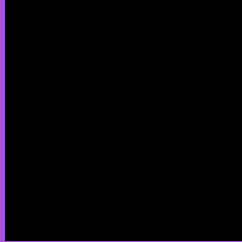
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.3506, 19.6333, 71.1918

Background



This preview shows how black text looks on a background with the XYZ color 32.3506, 19.6333, 71.1918.



This preview shows how white text looks on a background with the XYZ color 32.3506, 19.6333,

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

32.3506, 19.6333, 71.1918

Protanopia

24.0491, 19.9851, 94.6855

Deuteranopia

20.5642, 19.8987, 66.3753



Tritanopia

22.0079, 19.5481, 20.7024

Trichromacy



Original Color

32.3506, 19.6333, 71.1918



Protanomaly

22.8532, 17.4461, 85.3820



Deuteranomaly

22.4067, 18.2223, 67.9819



Tritanomaly

24.7299, 18.9441, 34.7009

Monochromacy



Original Color

32.3506, 19.6333, 71.1918



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

22.6290, 19.0508, 35.7422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3506, 19.6333, 71.1918 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(168, 82, 222)` looks like.

```
.text, #text, p{  
    color:rgb(168, 82, 222)  
}
```

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(168, 82, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 82, 222) }
```

Border

The CSS property to change the border of an element to XYZ 32.3506, 19.6333, 71.1918 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(168, 82, 222) }
```


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

```
.border{ border-color:rgb(168, 82, 222) }
```

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

Here you see how a box with a 4 pixel rgb(168, 82, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 82, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 82, 222);  
box-shadow:4px 4px 4px 4px rgb(168, 82,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3506, 19.6333, 71.1918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 82, 222) }
```

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

```
.background{ background-color: rgb(168, 82,  
222) }
```

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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