

Converting Colors

XYZ(33.2044, 26.5804, 49.9185)

Have a look what the booklet for
XYZ(33.2044, 26.5804, 49.9185)
contains.

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Color

**XYZ(33.1795, 26.5953,
49.8390)**

Conversions

Conversions Part 1

Format	Color
Hex	AD7BBA
RGB	173, 123, 186
RGB Percent	68%, 48%, 73%
CMY	0.3216, 0.5176, 0.2706
CMYK	0.07, 0.34, 0.00, 0.27
HSL	288°, 31%, 61%
HSV	288°, 34%, 73%
XYZ	33.1795, 26.5953, 49.8390
YIQ	145.1320, 9.5770, 30.1930

Conversions

Conversions Part 2

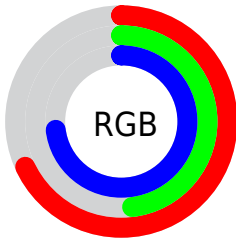
Format	Color
RYB	173, 123, 186
Decimal	11369402
CIELab	58.60, 30.52, -25.52
CIELCh	59, 39.778, 320.097
Yxy	26.5953, 0.3027, 0.2426
Android (android.graphics.Color)	4289559482 (0xFFAD7BBA)
YUV	145.1320, 20.1479, 24.4402
Hunter-Lab	51.5706, 24.5947, -21.1997

Details

The XYZ color **33.1795, 26.5953, 49.8390** is a light color, and the websafe version is hex **996699**. A complement of this color would be **31.2882, 41.7827, 25.1559**, and the grayscale version is **26.8860, 28.2861, 30.8036**.

A 20% lighter version of the original color is **63.8654, 54.1195, 91.0844**, and **14.3619, 10.4516, 23.4507** is the 20% darker color. If you saturate the color by 10%, you get **30.2514, 21.9804, 49.1030**, and if you desaturate by 10%, it is **36.5721, 32.1018, 50.7234**.

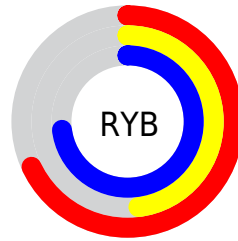
Distribution



Red (68%)

Green (48%)

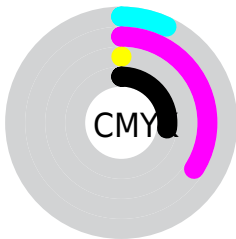
Blue (73%)



Red (68%)

Yellow (48%)

Blue (73%)

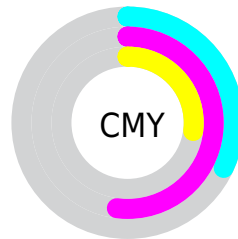


Cyan (7%)

Magenta (34%)

Yellow (0%)

Black (27%)



Cyan (32%)

Magenta (52%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1795, 26.5953, 49.8390 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 33.1795, 26.5953, 49.8390 by changing the saturation by 10% instead.

■ 33.1795, 26.5953,
49.8390

■ 33.1795, 26.5953,
49.8390

308.1085,
285.6923, 402.7530

■ 22.4239, 17.2695,
34.9152

■ 64.0085, 54.2338,
91.3301

■ 14.2870, 10.4268,
23.3145

■ 84.8125, 73.3152,
118.7346

■ 8.4036, 5.6829,
14.6184

■ 109.6968, 96.4174,
151.1363

■ 4.4082, 2.6532,
8.4084

139.0266,
123.9246, 188.9538

■ 1.9356, 0.9535,
4.2659

173.1673,
156.2213, 232.6057

■ 0.5974, 0.0000,
1.7723

212.4843,

■ 0.0000, 0.0000,

193.6919, 282.5105

0.4096

257.3429,
236.7208, 339.0868

■ 0.0000, 0.0000,
0.0000

■ 33.1795, 26.5953,
49.8390

■ 33.1795, 26.5953,
49.8390

■ 30.2514, 21.9804,
49.1030

■ 36.5721, 32.1018,
50.7234

■ 27.7600, 18.2038,
48.5053

■ 40.4497, 38.5423,
51.7622

■ 25.6787, 15.2116,
48.0375

■ 44.8347, 45.9609,
52.9631

■ 23.9766, 12.9424,
47.6892

■ 49.7473, 54.3977,
54.3326

■ 22.6180, 11.3255,
47.4487

■ 55.2066, 63.8904,
55.8771

■ 21.5603, 10.2755,
47.3018

■ 61.2307, 74.4750,
57.6027

■ 21.0073, 9.8058,
47.2403

■ 67.8368, 86.1858,
59.5149

■ 69.4442, 87.8610,
59.7535

■ 70.5072, 88.4090,
59.8033

Harmonies

Analogous

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



28.6406, 26.5953, 62.2279



33.1795, 26.5953, 49.8390



35.6918, 26.5953, 33.8287

Triad

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



33.1795, 26.5953, 49.8390



26.9261, 26.5953, 9.7351



17.4517, 26.5953, 39.2057

Complementary

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



33.1795, 26.5953, 49.8390



31.2882, 41.7827, 25.1559

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.



17.1168, 26.5953, 24.5784



33.1795, 26.5953, 49.8390



22.1895, 26.5953, 10.3447

Square

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



33.1795, 26.5953, 49.8390



31.7864, 26.5953, 12.8499



18.7426, 26.5953, 14.9156



19.7248, 26.5953, 54.8459

Rectangle

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



33.1795, 26.5953, 49.8390



35.6849, 26.5953, 24.4982



18.7426, 26.5953, 14.9156



17.1211, 26.5953, 33.9281

Sweetspot

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



33.1804, 26.5964, 49.8396



76.1515, 74.6294, 94.5927



25.9283, 25.5492, 50.0197



16.5285, 16.0277, 20.7651



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1804, 26.5964, 49.8396



55.9256, 41.5400, 89.2718



34.4153, 27.4388, 40.6022



9.1946, 9.0667, 11.3449



14.1961, 6.6296, 31.7845



0.5469, 0.2576, 1.1227

Inverse Universe

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



31.7774, 26.3836, 26.7112



53.1641, 41.2042, 39.9999



30.5247, 41.2480, 31.4947



9.0784, 9.0417, 9.7602



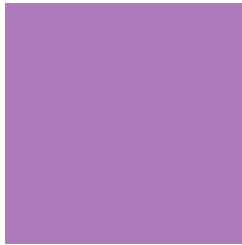
13.8854, 7.1279, 2.0174



0.5120, 0.2603, 0.1895

Previews

White Background



This preview shows how the XYZ color 33.1795, 26.5953, 49.8390 looks on a white background.

Color Contrast Check

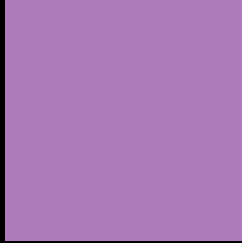
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1795, 26.5953, 49.8390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

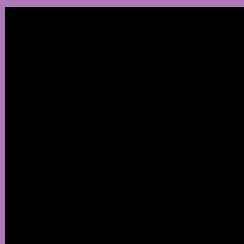
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1795, 26.5953, 49.8390

Background



This preview shows how black text looks on a background with the XYZ color 33.1795, 26.5953, 49.8390.



This preview shows how white text looks on a background with the XYZ color 33.1795, 26.5953,

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

33.1795, 26.5953, 49.8390

Protanopia

27.5940, 26.7534, 57.1356

Deuteranopia

27.4527, 26.8707, 48.5394



Tritanopia

29.0701, 26.6710, 29.2070

Trichromacy



Original Color

33.1795, 26.5953, 49.8390

Protanomaly

29.1096, 26.3328, 54.5874

Deuteranomaly

29.2520, 26.5316, 48.9268

Tritanomaly

30.3840, 26.6042, 35.8815

Monochromacy



Original Color

33.1795, 26.5953, 49.8390

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.8084, 27.3979, 37.0277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1795, 26.5953, 49.8390 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(173, 123, 186)` looks like.

```
.text, #text, p{  
    color:rgb(173, 123, 186)  
}
```

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(173, 123, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 123, 186) }
```

Border

The CSS property to change the border of an element to XYZ 33.1795, 26.5953, 49.8390 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(173, 123, 186) }
```


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

```
.border{ border-color:rgb(173, 123, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 123, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 123, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 123, 186);  
box-shadow:4px 4px 4px 4px rgb(173, 123,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1795, 26.5953, 49.8390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 123, 186) }
```

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

```
.background{ background-color: rgb(173,  
123, 186) }
```

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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