

Converting Colors

XYZ(31.3942, 22.9298, 34.7145)

Have a look what the booklet for
XYZ(31.3942, 22.9298, 34.7145)
contains.

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Color

**XYZ(31.3871, 22.9766,
34.6789)**

Conversions

Conversions Part 1

Format	Color
Hex	BA699D
RGB	186, 105, 157
RGB Percent	73%, 41%, 62%
CMY	0.2706, 0.5882, 0.3843
CMYK	0.00, 0.44, 0.16, 0.27
HSL	321°, 37%, 57%
HSV	321°, 44%, 73%
XYZ	31.3871, 22.9766, 34.6789
YIQ	135.1470, 31.5840, 33.3440

Conversions

Conversions Part 2

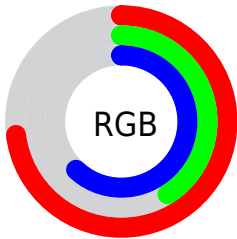
Format	Color
RYB	186, 105, 157
Decimal	12216733
CIELab	55.05, 39.36, -14.09
CIELCh	55, 41.803, 340.307
Yxy	22.9766, 0.3525, 0.2580
Android (android.graphics.Color)	4290406813 (0xFFBA699D)
YUV	135.1470, 10.7735, 44.5981
Hunter-Lab	47.9339, 32.9974, -9.3410

Details

The XYZ color **31.3871, 22.9766, 34.6789** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **27.6888, 39.8430, 28.7872**, and the grayscale version is **23.0374, 24.2371, 26.3943**.

A 20% lighter version of the original color is **61.4188, 48.4403, 68.4001**, and **13.2808, 8.5042, 14.5772** is the 20% darker color. If you saturate the color by 10%, you get **29.1426, 19.3726, 31.2016**, and if you desaturate by 10%, it is **34.0783, 27.4237, 38.4585**.

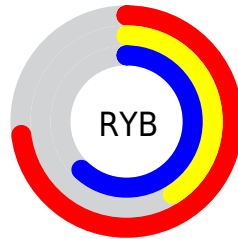
Distribution



Red (73%)

Green (41%)

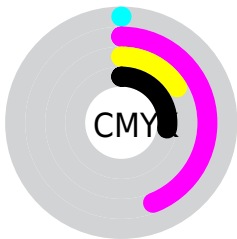
Blue (62%)



Red (73%)

Yellow (41%)

Blue (62%)

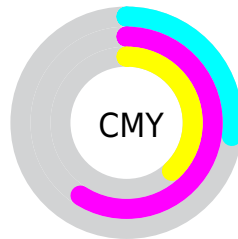


Cyan (0%)

Magenta (44%)

Yellow (16%)

Black (27%)



Cyan (27%)


Magenta (59%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3871, 22.9766, 34.6789 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 31.3871, 22.9766, 34.6789 by changing the saturation by 10% instead.


 31.3871, 22.9766,
34.6789


 31.3871, 22.9766,
34.6789


300.1129,
267.6048, 338.0098

 21.0471, 14.5762,
23.1341


 61.2207, 48.3549,
68.1340


 13.2711, 8.5225,
14.4863


 81.4450, 66.1016,
90.8812

 7.6938, 4.4311,
8.3171


 105.6948, 87.7326,
118.1998

 3.9498, 1.9175,
4.2078

 134.3353,
113.6322, 150.5081

 1.6738, 0.5589,
1.7400

167.7321,
144.1848, 188.2247

 0.4398, 0.0000,
0.3880

206.2503,

 0.0000, 0.0000,

179.7748, 231.7682

0.0000

250.2555,
220.7867, 281.5570

■ 31.3871, 22.9766,
34.6789

■ 31.3871, 22.9766,
34.6789

■ 29.1426, 19.3726,
31.2016

■ 34.0783, 27.4237,
38.4585

■ 27.3149, 16.5537,
28.0135

■ 37.2394, 32.7607,
42.5498

■ 25.8737, 14.4597,
25.1023


■ 40.8945, 39.0344,
46.9633


■ 24.7832, 13.0201,
22.4536


■ 45.0652, 46.2876,
51.7086


■ 24.0007, 12.1500,
20.0504


■ 49.7721, 54.5605,
56.7946

 23.6040, 11.7808,
18.6101

 55.0344, 63.8910,
62.2300

 60.8704, 74.3149,
68.0229

 67.2975, 85.8664,
74.1813

 68.5261, 86.9657,
78.7774

Harmonies

Analogous

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



28.1496, 22.9766, 50.0730



31.3871, 22.9766, 34.6789



31.8719, 22.9766, 20.7090

Triad

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



31.3871, 22.9766, 34.6789



20.2772, 22.9766, 7.3323



15.7040, 22.9766, 45.5125

Complementary

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



31.3871, 22.9766, 34.6789



27.6888, 39.8430, 28.7872

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.



14.1686, 22.9766, 29.8859



31.3871, 22.9766, 34.6789



16.5492, 22.9766, 10.1279

Square

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



31.3871, 22.9766, 34.6789



24.9929, 22.9766, 7.8214



14.4543, 22.9766, 17.3413



18.9615, 22.9766, 57.7097

Rectangle

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



31.3871, 22.9766, 34.6789



30.5050, 22.9766, 14.1907



14.4543, 22.9766, 17.3413



14.9919, 22.9766, 40.2961

Sweetspot

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



31.3878, 22.9777, 34.6794



74.3581, 71.1577, 85.3980



23.6438, 18.6647, 48.8113



16.0317, 15.0775, 18.4023



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.



31.3878, 22.9777, 34.6794



53.0765, 35.5149, 56.9694



28.5219, 21.8313, 19.5878



9.2407, 9.1067, 10.6151



15.9167, 7.9404, 12.7139



0.5895, 0.2913, 0.5977

Inverse Universe

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



31.3878, 22.9777, 34.6794



53.0765, 35.5149, 56.9694



31.0108, 41.1719, 46.2810



9.2407, 9.1067, 10.6151



15.9167, 7.9404, 12.7139



0.5895, 0.2913, 0.5977

Previews

White Background



This preview shows how the XYZ color 31.3871, 22.9766, 34.6789 looks on a white background.

Color Contrast Check

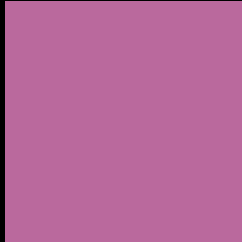
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3871, 22.9766, 34.6789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

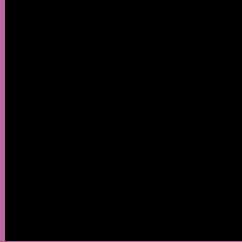
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3871, 22.9766, 34.6789

Background



This preview shows how black text looks on a background with the XYZ color 31.3871, 22.9766, 34.6789.



This preview shows how white text looks on a background with the XYZ color 31.3871, 22.9766, 34.6789.

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

31.3871, 22.9766, 34.6789

Protanopia

23.5999, 23.3208, 43.8150

Deuteranopia

23.5917, 23.1513, 33.3622



Tritanopia

28.5368, 22.9139, 21.0079

Trichromacy



Original Color

31.3871, 22.9766, 34.6789

Protanomaly

25.5290, 22.6755, 40.0771

Deuteranomaly

25.8756, 22.6361, 33.5773

Tritanomaly

29.3002, 22.7258, 25.3965

Monochromacy



Original Color

31.3871, 22.9766, 34.6789

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.4920, 23.2685, 29.1343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3871, 22.9766, 34.6789 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(186, 105, 157)` looks like.

```
.text, #text, p{  
    color:rgb(186, 105, 157)  
}
```

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(186, 105, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 105, 157) }
```

Border

The CSS property to change the border of an element to XYZ 31.3871, 22.9766, 34.6789 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(186, 105, 157) }
```


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

```
.border{ border-color:rgb(186, 105, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 105, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 105, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 105, 157);  
box-shadow:4px 4px 4px 4px rgb(186, 105,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3871, 22.9766, 34.6789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 105, 157) }
```

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

```
.background{ background-color: rgb(186,  
105, 157) }
```

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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