

Converting Colors

XYZ(31.1589, 22.7652, 30.6270)

Have a look what the booklet for
XYZ(31.1589, 22.7652, 30.6270)
contains.

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Color

**XYZ(31.2819, 22.8576,
30.7802)**

Conversions

Conversions Part 1

Format	Color
Hex	BD6894
RGB	189, 104, 148
RGB Percent	74%, 41%, 58%
CMY	0.2588, 0.5921, 0.4196
CMYK	0.00, 0.45, 0.22, 0.26
HSL	329°, 39%, 57%
HSV	329°, 45%, 74%
XYZ	31.2819, 22.8576, 30.7802
YIQ	134.4310, 36.5360, 31.7040

Conversions

Conversions Part 2

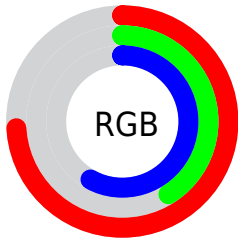
Format	Color
R _Y B	189, 104, 148
Decimal	12413076
CIE Lab	54.93, 39.50, -8.98
CIE LCh	55, 40.508, 347.199
Yxy	22.8576, 0.3684, 0.2692
Android (android.graphics.Color)	4290603156 (0xFFBD6894)
YUV	134.4310, 6.6895, 47.8570
Hunter-Lab	47.8096, 33.1259, -4.7046

Details

The XYZ color **31.2819, 22.8576, 30.7802** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **29.0184, 41.3833, 33.2484**, and the grayscale version is **22.7860, 23.9727, 26.1062**.

A 20% lighter version of the original color is **61.0754, 48.1524, 61.9524**, and **13.2623, 8.4776, 12.2466** is the 20% darker color. If you saturate the color by 10%, you get **28.8949, 19.1931, 26.5633**, and if you desaturate by 10%, it is **34.1534, 27.3996, 35.4395**.

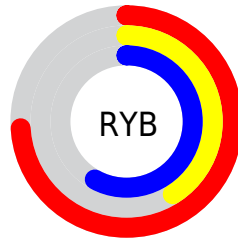
Distribution



Red (74%)

Green (41%)

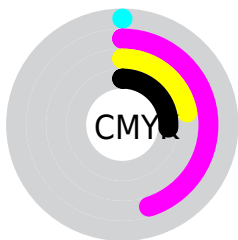
Blue (58%)



Red (74%)

Yellow (41%)

Blue (58%)

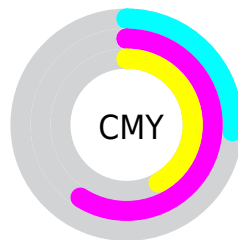


Cyan (0%)

Magenta (45%)

Yellow (22%)

Black (26%)



Cyan (26%)


Magenta (59%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2819, 22.8576, 30.7802 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 31.2819, 22.8576, 30.7802 by changing the saturation by 10% instead.


 31.2819, 22.8576,
30.7802


 31.2819, 22.8576,
30.7802

299.6387,
266.9928, 319.8442

 20.9665, 14.4884,
20.1745


 61.0565, 48.1594,
61.9694

 13.2118, 8.4611,
12.3366


 81.2463, 65.8608,
83.3899

 7.6526, 4.3914,
6.8480


 105.4583, 87.4417,
109.2524

 3.9234, 1.8948,
3.2902

 134.0579,
113.2865, 139.9755

 1.6589, 0.5453,
1.2447

167.4104,
143.7796, 175.9777

 0.4303, 0.0000,
0.0158

205.8811,

 0.0000, 0.0000,

179.3054, 217.6775

0.0000

249.8354,
220.2484, 265.4935

■ 31.2819, 22.8576,
30.7802

■ 31.2819, 22.8576,
30.7802

■ 28.8949, 19.1931,
26.5633

■ 34.1534, 27.3996,
35.4395

■ 26.9602, 16.3448,
22.7710

■ 37.5349, 32.8688,
40.5553

■ 25.4449, 14.2483,
19.3859


■ 41.4523, 39.3147,
46.1424


■ 24.3100, 12.8282,
16.3880


■ 45.9290, 46.7827,
52.2146


■ 23.5085, 11.9928,
13.7546


■ 50.9873, 55.3149,
58.7847

 23.1830, 11.6975,
12.5494

 56.6479, 64.9515,
65.8654

 62.9308, 75.7302,
73.4686

 69.7890, 87.5559,
81.5839

 71.0368, 88.0550,
88.1544

Harmonies

Analogous

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



28.6979, 22.8576, 45.7593



31.2819, 22.8576, 30.7802



31.0637, 22.8576, 18.2677

Triad

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



31.2819, 22.8576, 30.7802



19.2706, 22.8576, 7.9489



16.3700, 22.8576, 47.8031

Complementary

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



31.2819, 22.8576, 30.7802



29.0184, 41.3833, 33.2484

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.



14.4757, 22.8576, 32.9410



31.2819, 22.8576, 30.7802



15.9851, 22.8576, 11.5816

Square

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



31.2819, 22.8576, 30.7802



23.6957, 22.8576, 7.7216



14.3453, 22.8576, 19.8003



19.8676, 22.8576, 57.6361

Rectangle

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



31.2819, 22.8576, 30.7802



29.3561, 22.8576, 12.7296



14.3453, 22.8576, 19.8003



15.5469, 22.8576, 43.0359

Sweetspot

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



31.2826, 22.8587, 30.7807



75.5803, 72.6352, 84.4942



25.5802, 19.4754, 50.5553



15.8928, 15.0220, 17.6708



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.



31.2826, 22.8587, 30.7807



51.7919, 34.4371, 47.6514



28.5826, 21.7787, 16.5626



9.7308, 9.6166, 10.9713



15.6370, 7.8860, 8.6480



0.6454, 0.3221, 0.5121

Inverse Universe

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



31.2826, 22.8587, 30.7807



51.7919, 34.4371, 47.6514



32.7880, 42.8911, 53.0984



9.7308, 9.6166, 10.9713



15.6370, 7.8860, 8.6480



0.6454, 0.3221, 0.5121

Previews

White Background



This preview shows how the XYZ color 31.2819, 22.8576, 30.7802 looks on a white background.

Color Contrast Check

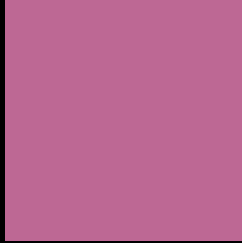
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2819, 22.8576, 30.7802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

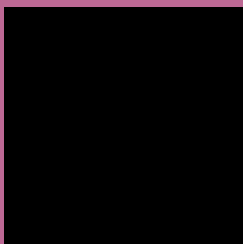
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2819, 22.8576, 30.7802

Background



This preview shows how black text looks on a background with the XYZ color 31.2819, 22.8576, 30.7802.



This preview shows how white text looks on a background with the XYZ color 31.2819, 22.8576,

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

31.2819, 22.8576, 30.7802

Protanopia

23.1676, 23.1967, 39.3327

Deuteranopia

23.4007, 22.9409, 29.5802



Tritanopia

29.0956, 22.8990, 20.0260

Trichromacy



Original Color

31.2819, 22.8576, 30.7802

Protanomaly

25.1280, 22.3810, 35.7965

Deuteranomaly

25.6123, 22.4061, 29.7630

Tritanomaly

29.8185, 22.8749, 23.6126

Monochromacy



Original Color

31.2819, 22.8576, 30.7802

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.0696, 22.9000, 27.5249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2819, 22.8576, 30.7802 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(189, 104, 148)` looks like.

```
.text, #text, p{  
    color:rgb(189, 104, 148)  
}
```

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(189, 104, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 104, 148) }
```

Border

The CSS property to change the border of an element to XYZ 31.2819, 22.8576, 30.7802 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(189, 104, 148) }
```


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

```
.border{ border-color:rgb(189, 104, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 104, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 104, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 104, 148);  
box-shadow:4px 4px 4px 4px rgb(189, 104,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2819, 22.8576, 30.7802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 104, 148) }
```

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

```
.background{ background-color: rgb(189,  
104, 148) }
```

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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