

Converting Colors

XYZ(31.4233, 23.8631, 37.8843)

Have a look what the booklet for
XYZ(31.4233, 23.8631, 37.8843)
contains.

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Color

**XYZ(31.4413, 23.8730,
38.0728)**

Conversions

Conversions Part 1

Format	Color
Hex	B56FA4
RGB	181, 111, 164
RGB Percent	71%, 44%, 64%
CMY	0.2902, 0.5647, 0.3569
CMYK	0.00, 0.39, 0.09, 0.29
HSL	315°, 32%, 57%
HSV	315°, 39%, 71%
XYZ	31.4413, 23.8730, 38.0728
YIQ	137.9720, 24.7070, 31.3230

Conversions

Conversions Part 2

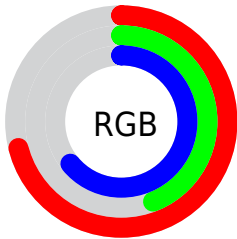
Format	Color
RYB	181, 111, 164
Decimal	11890596
CIELab	55.96, 35.63, -16.83
CIELCh	56, 39.401, 334.711
Yxy	23.8730, 0.3367, 0.2556
Android (android.graphics.Color)	4290080676 (0xFFB56FA4)
YUV	137.9720, 12.8318, 37.7356
Hunter-Lab	48.8600, 29.3593, -11.9981

Details

The XYZ color **31.4413, 23.8730, 38.0728** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.9767, 37.9864, 26.3339**, and the grayscale version is **24.0935, 25.3483, 27.6043**.

A 20% lighter version of the original color is **61.3215, 49.8425, 73.4064**, and **13.3458, 9.0194, 16.3667** is the 20% darker color. If you saturate the color by 10%, you get **29.2728, 20.1600, 35.4252**, and if you desaturate by 10%, it is **34.0251, 28.3939, 40.9271**.

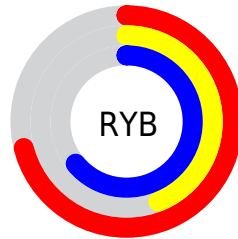
Distribution



Red (71%)

Green (44%)

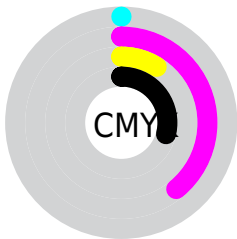
Blue (64%)



Red (71%)

Yellow (44%)

Blue (64%)

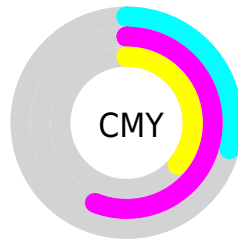


Cyan (0%)

Magenta (39%)

Yellow (9%)

Black (29%)



Cyan (29%)

Magenta (56%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4413, 23.8730, 38.0728 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 31.4413, 23.8730, 38.0728 by changing the saturation by 10% instead.


 31.4413, 23.8730,
38.0728


 31.4413, 23.8730,
38.0728


300.3570,
272.1778, 353.2397


 21.0886, 15.2394,
25.7369


 61.3053, 49.8229,
73.4244


 13.3016, 8.9876,
16.4029


 81.5473, 67.9080,
97.2771

 7.7150, 4.7331,
9.6523


 105.8165, 89.9124,
125.8060

 3.9634, 2.0915,
5.0665

 134.4782,
116.2205, 159.4294

 1.6814, 0.6599,
2.2269

167.8977,
147.2167, 198.5659

 0.4446, 0.0000,
0.6898

206.4404,

 0.0000, 0.0000,

183.2854, 243.6341

0.0000

250.4717,
224.8109, 295.0525

■ 31.4413, 23.8730,
38.0728

■ 31.4413, 23.8730,
38.0728

■ 29.2728, 20.1600,
35.4252

■ 34.0251, 28.3939,
40.9271

■ 27.4930, 17.2031,
32.9739

■ 37.0445, 33.7641,
43.9947

■ 26.0755, 14.9492,
30.7097


■ 40.5210, 40.0261,
47.2837


■ 24.9896, 13.3373,
28.6218


■ 44.4739, 47.2183,
50.8012


■ 24.1994, 12.2957,
26.6973

■ 48.9216, 55.3773,
54.5539


 23.6426, 11.7002,
24.9150

 53.8813, 64.5373,
58.5482

 23.5745, 11.6311,
24.6849

 59.3695, 74.7311,
62.7903

 65.1445, 85.4752,
67.2002

 65.6630, 85.6826,
69.9306

Harmonies

Analogous

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



27.9793, 23.8730, 52.1279



31.4413, 23.8730, 38.0728



32.4455, 23.8730, 24.0124

Triad

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



31.4413, 23.8730, 38.0728



21.9878, 23.8730, 8.3001



16.2988, 23.8730, 42.7993

Complementary

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



31.4413, 23.8730, 38.0728



26.9767, 37.9864, 26.3339

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.



15.1177, 23.8730, 28.0810



31.4413, 23.8730, 38.0728



18.1142, 23.8730, 10.4882

Square

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



31.4413, 23.8730, 38.0728



26.5886, 23.8730, 9.4164



15.7358, 23.8730, 16.7848



19.1935, 23.8730, 55.4296

Rectangle

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



31.4413, 23.8730, 38.0728



31.4872, 23.8730, 16.9546



15.7358, 23.8730, 16.7848



15.7069, 23.8730, 37.7814

Sweetspot

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



31.4420, 23.8741, 38.0733



70.2790, 67.5411, 82.5589



22.8282, 19.2441, 46.2277



15.0166, 14.2857, 17.6809



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.4420, 23.8741, 38.0733



53.1109, 37.2647, 64.3203



28.7483, 22.7966, 23.8882



8.7600, 8.6107, 10.2348



16.2800, 8.0296, 17.1664



0.5335, 0.2612, 0.6522

Inverse Universe

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



31.4420, 23.8741, 38.0733



53.1109, 37.2647, 64.3203



29.6315, 39.0483, 40.3141



8.7600, 8.6107, 10.2348



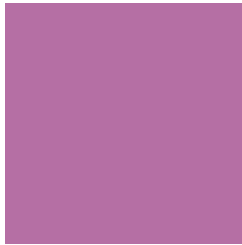
16.2800, 8.0296, 17.1664



0.5335, 0.2612, 0.6522

Previews

White Background



This preview shows how the XYZ color 31.4413, 23.8730, 38.0728 looks on a white background.

Color Contrast Check

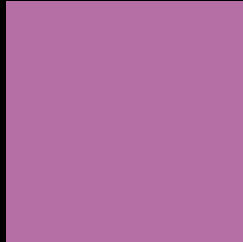
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4413, 23.8730, 38.0728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

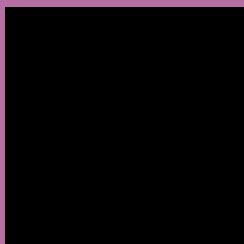
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4413, 23.8730, 38.0728

Background



This preview shows how black text looks on a background with the XYZ color 31.4413, 23.8730, 38.0728.



This preview shows how white text looks on a background with the XYZ color 31.4413, 23.8730,

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

31.4413, 23.8730, 38.0728

Protanopia

24.5109, 24.1353, 46.5467

Deuteranopia

24.4531, 23.9216, 36.5862



Tritanopia

28.4407, 23.8363, 23.1805

Trichromacy



Original Color

31.4413, 23.8730, 38.0728

Protanomaly

26.3013, 23.5629, 43.2063

Deuteranomaly

26.5896, 23.6639, 36.8844

Tritanomaly

29.2245, 23.6199, 27.8297

Monochromacy



Original Color

31.4413, 23.8730, 38.0728

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.3121, 24.4150, 30.9295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4413, 23.8730, 38.0728 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(181, 111, 164)` looks like.

```
.text, #text, p{  
    color:rgb(181, 111, 164)  
}
```

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(181, 111, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 111, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.4413, 23.8730, 38.0728 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(181, 111, 164) }
```


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

```
.border{ border-color:rgb(181, 111, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 111, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 111, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 111, 164);  
box-shadow:4px 4px 4px 4px rgb(181, 111,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4413, 23.8730, 38.0728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 111, 164) }
```

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

```
.background{ background-color: rgb(181,  
111, 164) }
```

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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