

Converting Colors

XYZ(31.3386, 23.1358, 33.3419)

Have a look what the booklet for
XYZ(31.3386, 23.1358, 33.3419)
contains.

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Color

**XYZ(31.2365, 23.0803,
33.3804)**

Conversions

Conversions Part 1

Format	Color
Hex	BA6A9A
RGB	186, 106, 154
RGB Percent	73%, 42%, 60%
CMY	0.2706, 0.5843, 0.3961
CMYK	0.00, 0.43, 0.17, 0.27
HSL	324°, 37%, 57%
HSV	324°, 43%, 73%
XYZ	31.2365, 23.0803, 33.3804
YIQ	135.3920, 32.2720, 31.8880

Conversions

Conversions Part 2

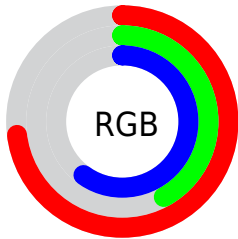
Format	Color
R _Y B	186, 106, 154
Decimal	12216986
CIE Lab	55.15, 38.34, -12.18
CIE LCh	55, 40.231, 342.383
Yxy	23.0803, 0.3562, 0.2632
Android (android.graphics.Color)	4290407066 (0xFFBA6A9A)
YUV	135.3920, 9.1737, 44.3832
Hunter-Lab	48.0420, 31.9858, -7.5664

Details

The XYZ color **31.2365, 23.0803, 33.3804** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **28.0913, 40.0177, 30.2903**, and the grayscale version is **23.1340, 24.3388, 26.5049**.

A 20% lighter version of the original color is **61.0915, 48.5834, 65.8322**, and **13.1744, 8.5369, 13.7854** is the 20% darker color. If you saturate the color by 10%, you get **28.9229, 19.4141, 29.6460**, and if you desaturate by 10%, it is **34.0056, 27.5954, 37.4566**.

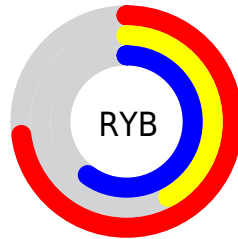
Distribution



Red (73%)

Green (42%)

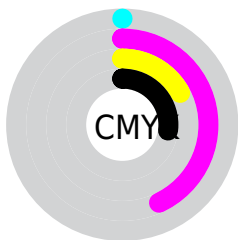
Blue (60%)



Red (73%)

Yellow (42%)

Blue (60%)

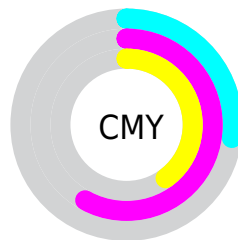


Cyan (0%)

Magenta (43%)

Yellow (17%)

Black (27%)



Cyan (27%)


Magenta (58%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2365, 23.0803, 33.3804 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 31.2365, 23.0803, 33.3804 by changing the saturation by 10% instead.

 31.2365, 23.0803,
33.3804


 31.2365, 23.0803,
33.3804


299.4339,
268.1372, 332.0448

 20.9317, 14.6528,
22.1445


 60.9855, 48.5251,
66.0918


 13.1863, 8.5761,
13.7638


 81.1605, 66.3113,
88.4044

 7.6348, 4.4657,
7.8197


 105.3562, 87.9858,
115.2464

 3.9120, 1.9373,
3.8937

 133.9381,
113.9330, 147.0362

 1.6525, 0.5707,
1.5672

167.2714,
144.5374, 184.1924

 0.4262, 0.0000,
0.2673

205.7216,

 0.0000, 0.0000,

180.1832, 227.1335

0.0000

249.6539,
221.2550, 276.2781

■ 31.2365, 23.0803,
33.3804

■ 31.2365, 23.0803,
33.3804

■ 28.9229, 19.4141,
29.6460

■ 34.0056, 27.5954,
37.4566

■ 27.0350, 16.5390,
26.2394

■ 37.2535, 33.0059,
41.8851

■ 25.5422, 14.3951,
23.1472

■ 41.0043, 39.3586,
46.6773

■ 24.4090, 12.9123,
20.3539

■ 45.2799, 46.6963,
51.8437

■ 23.5929, 12.0068,
17.8416

■ 50.1008, 55.0590,
57.3942

■ 23.1521, 11.6001,
16.2304

■ 55.4865, 64.4845,
63.3382

■ 61.4553, 75.0088,
69.6850

■ 68.0248, 86.6659,
76.4431

■ 69.0563, 87.1778,
81.5693

Harmonies

Analogous

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



28.2860, 23.0803, 48.1735



31.2365, 23.0803, 33.3804



31.4955, 23.0803, 20.1928

Triad

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



31.2365, 23.0803, 33.3804



20.1375, 23.0803, 7.8912



16.1584, 23.0803, 45.7516

Complementary

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



31.2365, 23.0803, 33.3804



28.0913, 40.0177, 30.2903

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.



14.5394, 23.0803, 30.8139



31.2365, 23.0803, 33.3804



16.6173, 23.0803, 10.9349

Square

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



31.2365, 23.0803, 33.3804



24.6550, 23.0803, 8.1643



14.6951, 23.0803, 18.3660



19.4268, 23.0803, 56.8268

Rectangle

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



31.2365, 23.0803, 33.3804



30.0647, 23.0803, 14.0787



14.6951, 23.0803, 18.3660



15.4247, 23.0803, 40.8335

Sweetspot

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



31.2372, 23.0814, 33.3809



74.1720, 71.0833, 84.4183



24.4993, 19.2578, 48.8806



15.9844, 15.0586, 18.1531



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.



31.2372, 23.0814, 33.3809



52.4804, 35.2765, 53.8304



28.4419, 21.9633, 18.6612



9.2247, 9.1002, 10.5306



15.6137, 7.8192, 11.1182



0.5801, 0.2875, 0.5483

Inverse Universe

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



31.2372, 23.0814, 33.3809



52.4804, 35.2765, 53.8304



31.5395, 41.3970, 48.4482



9.2247, 9.1002, 10.5306



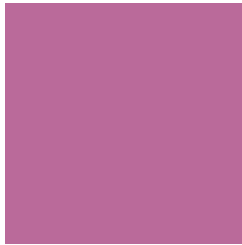
15.6137, 7.8192, 11.1182



0.5801, 0.2875, 0.5483

Previews

White Background



This preview shows how the XYZ color 31.2365, 23.0803, 33.3804 looks on a white background.

Color Contrast Check

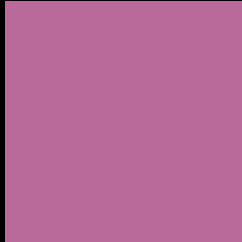
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2365, 23.0803, 33.3804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

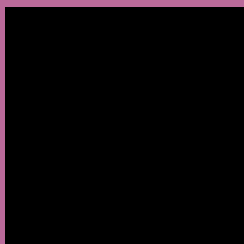
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2365, 23.0803, 33.3804

Background



This preview shows how black text looks on a background with the XYZ color 31.2365, 23.0803, 33.3804.



This preview shows how white text looks on a background with the XYZ color 31.2365, 23.0803,

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

31.2365, 23.0803, 33.3804

Protanopia

23.4930, 23.3104, 41.7892

Deuteranopia

23.6718, 23.2209, 32.0886



Tritanopia

28.6477, 23.1358, 21.0449

Trichromacy



Original Color

31.2365, 23.0803, 33.3804

Protanomaly

25.4281, 22.6554, 38.6300

Deuteranomaly

25.9409, 22.8777, 32.3268

Tritanomaly

29.3380, 22.9126, 25.0666

Monochromacy



Original Color

31.2365, 23.0803, 33.3804

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.4166, 23.2383, 28.7370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2365, 23.0803, 33.3804 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, 106, 154)` looks like.

```
.text, #text, p{  
    color:rgb(186, 106, 154)  
}
```

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, 106, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 106, 154) }
```

Border

The CSS property to change the border of an element to XYZ 31.2365, 23.0803, 33.3804 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, 106, 154) }
```


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

```
.border{ border-color:rgb(186, 106, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 106, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 106, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 106, 154);  
box-shadow:4px 4px 4px 4px rgb(186, 106,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2365, 23.0803, 33.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 106, 154) }
```

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

```
.background{ background-color: rgb(186,  
106, 154) }
```

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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