

Converting Colors

XYZ(31.6784, 25.0286, 33.4101)

Have a look what the booklet for
XYZ(31.6784, 25.0286, 33.4101)
contains.

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Color

**XYZ(31.6395, 25.0898,
33.3122)**

Conversions

Conversions Part 1

Format	Color
Hex	B77599
RGB	183, 117, 153
RGB Percent	72%, 46%, 60%
CMY	0.2824, 0.5412, 0.4000
CMYK	0.00, 0.36, 0.16, 0.28
HSL	327°, 31%, 59%
HSV	327°, 36%, 72%
XYZ	31.6395, 25.0898, 33.3122
YIQ	140.8380, 27.7800, 25.1880

Conversions

Conversions Part 2

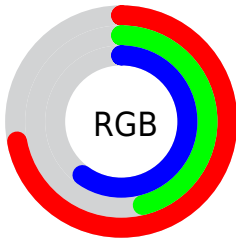
Format	Color
RYB	183, 117, 153
Decimal	12023193
CIELab	57.16, 31.17, -8.62
CIELCh	57, 32.338, 344.536
Yxy	25.0898, 0.3514, 0.2786
Android (android.graphics.Color)	4290213273 (0xFFB77599)
YUV	140.8380, 5.9959, 36.9761
Hunter-Lab	50.0897, 25.0937, -4.3680

Details

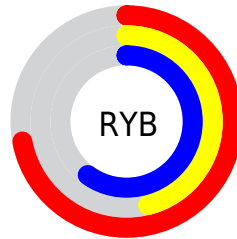
The XYZ color **31.6395, 25.0898, 33.3122** is a light color, and the websafe version is hex **996699**. A complement of this color would be **29.5372, 39.7562, 33.7226**, and the grayscale version is **25.2243, 26.5380, 28.8998**.

A 20% lighter version of the original color is **61.5724, 51.7797, 65.7807**, and **13.4587, 9.6407, 13.7219** is the 20% darker color. If you saturate the color by 10%, you get **29.0488, 20.9697, 29.1762**, and if you desaturate by 10%, it is **34.6964, 30.0650, 37.8405**.

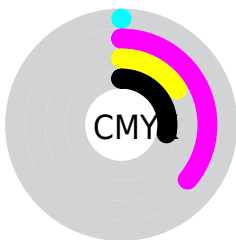
Distribution



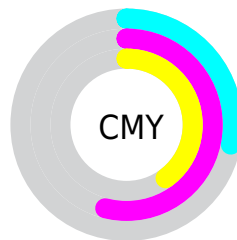
- Red (72%)
- Green (46%)
- Blue (60%)



- Red (72%)
- Yellow (46%)
- Blue (60%)



- Cyan (0%)
- Magenta (36%)
- Yellow (16%)
- Black (28%)





- Cyan (28%)
- Magenta (54%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6395, 25.0898, 33.3122 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 31.6395, 25.0898, 33.3122 by changing the saturation by 10% instead.

 31.6395, 25.0898,
33.3122


 31.6395, 25.0898,
33.3122


301.2483,
278.2849, 331.7292


 21.2405, 16.1440,
22.0926


 61.6145, 51.8029,
65.9843

 13.4134, 9.6261,
13.7260


 81.9213, 70.3389,
88.2739

 7.7928, 5.1518,
7.7938


 106.2613, 92.8404,
115.0905

 4.0133, 2.3366,
3.8774

135.0000,
119.6919, 146.8528

 1.7097, 0.7930,
1.5583

168.5027,
151.2777, 183.9793

 0.4623, 0.0000,
0.2608

207.1347,

 0.0000, 0.0000,

187.9822, 226.8885

0.0000

251.2615,
230.1898, 275.9990

■ 31.6395, 25.0898,
33.3122

■ 31.6395, 25.0898,
33.3122

■ 29.0488, 20.9697,
29.1762

■ 34.6964, 30.0650,
37.8405

■ 26.8968, 17.6520,
25.4177

■ 38.2406, 35.9369,
42.7720

■ 25.1561, 15.0837,
22.0230


■ 42.2945, 42.7488,
48.1189


■ 23.7955, 13.2036,
18.9766


■ 46.8787, 50.5400,
53.8925


■ 22.7788, 11.9411,
16.2610


■ 52.0123, 59.3476,
60.1034


 22.0594, 11.2048,
13.8554

 57.7135, 69.2066,
66.7619

 21.8198, 10.9838,
12.9794

 63.9997, 80.1506,
73.8778

 68.1473, 86.7309,
80.5473

 69.2740, 87.1815,
86.4800

Harmonies

Analogous

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



29.3713, 25.0898, 45.1982



31.6395, 25.0898, 33.3122



31.6766, 25.0898, 22.3772

Triad

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



31.6395, 25.0898, 33.3122



22.0528, 25.0898, 11.6103



18.9907, 25.0898, 44.8625

Complementary

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



31.6395, 25.0898, 33.3122



29.5372, 39.7562, 33.7226

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.



17.4273, 25.0898, 32.9384



31.6395, 25.0898, 33.3122



19.0630, 25.0898, 14.9122

Square

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



31.6395, 25.0898, 33.3122



25.8571, 25.0898, 11.6601



17.4523, 25.0898, 22.0907



21.9440, 25.0898, 52.9835

Rectangle

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



31.6395, 25.0898, 33.3122



30.4153, 25.0898, 17.0546



17.4523, 25.0898, 22.0907



18.2999, 25.0898, 41.0447

Sweetspot

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



31.6402, 25.0910, 33.3127



71.9157, 70.1026, 81.1839



26.8885, 22.3182, 47.6907



15.6700, 15.1244, 17.6476



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.6402, 25.0910, 33.3127



53.0451, 39.1599, 53.9350



29.2991, 24.1545, 20.9844



9.2040, 9.0920, 10.4215



15.2568, 7.6765, 9.2389



0.5686, 0.2829, 0.4878

Inverse Universe

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



31.6402, 25.0910, 33.3127



53.0451, 39.1599, 53.9350



32.4781, 40.9325, 49.2093



9.2040, 9.0920, 10.4215



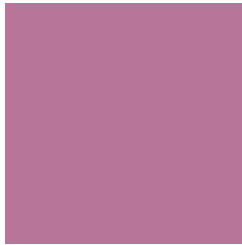
15.2568, 7.6765, 9.2389



0.5686, 0.2829, 0.4878

Previews

White Background



This preview shows how the XYZ color 31.6395, 25.0898, 33.3122 looks on a white background.

Color Contrast Check

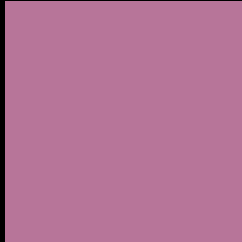
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6395, 25.0898, 33.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

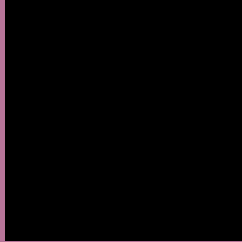
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6395, 25.0898, 33.3122

Background



This preview shows how black text looks on a background with the XYZ color 31.6395, 25.0898, 33.3122.



This preview shows how white text looks on a background with the XYZ color 31.6395, 25.0898,

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

31.6395, 25.0898, 33.3122

Protanopia

25.0472, 25.1868, 39.6178

Deuteranopia

25.7072, 25.2719, 32.3772



Tritanopia

29.6890, 24.9897, 24.3778

Trichromacy



Original Color

31.6395, 25.0898, 33.3122

Protanomaly

26.8610, 24.7578, 37.0812

Deuteranomaly

27.6032, 25.0436, 32.6572

Tritanomaly

30.3600, 25.0917, 27.2878

Monochromacy



Original Color

31.6395, 25.0898, 33.3122

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.0724, 25.6148, 30.3053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6395, 25.0898, 33.3122 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(183, 117, 153)` looks like.

```
.text, #text, p{  
    color:rgb(183, 117, 153)  
}
```

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(183, 117, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 117, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.6395, 25.0898, 33.3122 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(183, 117, 153) }
```


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

```
.border{ border-color:rgb(183, 117, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 117, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 117, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 117, 153);  
box-shadow:4px 4px 4px 4px rgb(183, 117,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6395, 25.0898, 33.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 117, 153) }
```

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

```
.background{ background-color: rgb(183,  
117, 153) }
```

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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