

Converting Colors

XYZ(31.7169, 26.5446, 34.4525)

Have a look what the booklet for
XYZ(31.7169, 26.5446, 34.4525)
contains.

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Color

**XYZ(31.8404, 26.6175,
34.4699)**

Conversions

Conversions Part 1

Format	Color
Hex	B37D9B
RGB	179, 125, 155
RGB Percent	70%, 49%, 61%
CMY	0.2980, 0.5098, 0.3922
CMYK	0.00, 0.30, 0.13, 0.30
HSL	327°, 26%, 60%
HSV	327°, 30%, 70%
XYZ	31.8404, 26.6175, 34.4699
YIQ	144.5660, 22.5540, 20.7780

Conversions

Conversions Part 2

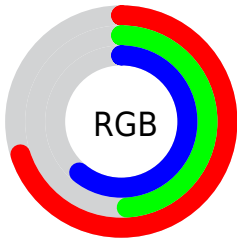
Format	Color
RYB	179, 125, 155
Decimal	11763099
CIELab	58.62, 25.62, -7.66
CIELCh	59, 26.744, 343.365
Yxy	26.6175, 0.3426, 0.2864
Android (android.graphics.Color)	4289953179 (0xFFB37D9B)
YUV	144.5660, 5.1440, 30.1986
Hunter-Lab	51.5922, 19.8761, -3.4985

Details

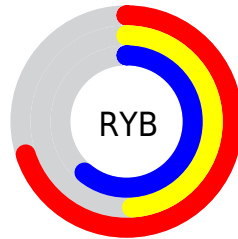
The XYZ color **31.8404, 26.6175, 34.4699** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.0034, 38.7708, 34.3376**, and the grayscale version is **26.7118, 28.1029, 30.6041**.

A 20% lighter version of the original color is **61.6900, 54.1064, 67.5138**, and **13.4722, 10.3916, 14.3924** is the 20% darker color. If you saturate the color by 10%, you get **29.1291, 22.2289, 30.3776**, and if you desaturate by 10%, it is **35.0057, 31.8428, 38.9314**.

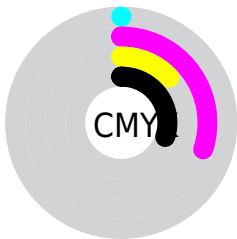
Distribution



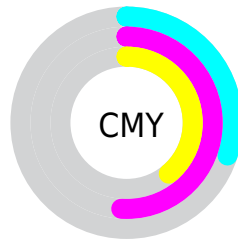
- Red (70%)
- Green (49%)
- Blue (61%)



- Red (70%)
- Yellow (49%)
- Blue (61%)



- Cyan (0%)
- Magenta (30%)
- Yellow (13%)
- Black (30%)





- Cyan (30%)
- Magenta (51%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8404, 26.6175, 34.4699 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 31.8404, 26.6175, 34.4699 by changing the saturation by 10% instead.


 31.8404, 26.6175,
34.4699


 31.8404, 26.6175,
34.4699


302.1498,
285.8003, 337.0552


 21.3946, 17.2862,
22.9745


 61.9277, 54.2695,
67.8060

 13.5268, 10.4387,
14.3696


 82.2999, 73.3589,
90.4838

 7.8718, 5.6908,
8.2365


 106.7115, 96.4698,
117.7261

 4.0641, 2.6580,
4.1567

135.5281,
123.9866, 149.9516

 1.7385, 0.9559,
1.7117

169.1148,
156.2936, 187.5786

 0.4802, 0.0000,
0.3687

207.8371,

 0.0000, 0.0000,

193.7753, 231.0259

0.0000

252.0603,
236.8161, 280.7119

■ 31.8404, 26.6175,
34.4699

■ 31.8404, 26.6175,
34.4699

■ 29.1291, 22.2289,
30.3776

■ 35.0057, 31.8428,
38.9314

■ 26.8466, 18.6293,
26.6410

■ 38.6437, 37.9422,
43.7714

■ 24.9689, 15.7713,
23.2481

■ 42.7749, 44.9551,
49.0011

■ 23.4684, 13.6015,
20.1854

■ 47.4180, 52.9173,
54.6304

■ 22.3137, 12.0586,
17.4378

■ 52.5906, 61.8630,
60.6690

■ 21.4683, 11.0708,
14.9884

■ 58.3094, 71.8244,
67.1261

■ 20.8638, 10.4931,
12.8407

■ 64.5904, 82.8324,
74.0105

■ 67.0906, 86.1998,
79.8781

■ 68.1612, 86.6280,
85.5161

Harmonies

Analogous

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



29.8846, 26.6175, 44.2071



31.8404, 26.6175, 34.4699



31.9492, 26.6175, 25.0016

Triad

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



31.8404, 26.6175, 34.4699



23.8682, 26.6175, 14.7142



20.9830, 26.6175, 43.2479

Complementary

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



31.8404, 26.6175, 34.4699



30.0034, 38.7708, 34.3376

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.



19.6425, 26.6175, 33.3638



31.8404, 26.6175, 34.4699



21.2085, 26.6175, 17.7281

Square

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



31.8404, 26.6175, 34.4699



27.1491, 26.6175, 14.8847



19.7214, 26.6175, 24.1097



23.5352, 26.6175, 49.9775

Rectangle

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



31.8404, 26.6175, 34.4699



30.9443, 26.6175, 20.1349



19.7214, 26.6175, 24.1097



20.3860, 26.6175, 40.1018

Sweetspot

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



31.8412, 26.6187, 34.4705



69.9183, 69.1502, 79.3100



27.7566, 24.2566, 45.8672



15.2673, 14.9437, 17.2823



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.



31.8412, 26.6187, 34.4705



53.8066, 42.4415, 56.9384



29.8609, 25.8266, 24.0424



8.6873, 8.5817, 9.8520



14.7764, 7.4281, 9.2485



0.4937, 0.2452, 0.4427

Inverse Universe

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



31.8412, 26.6187, 34.4705



53.8066, 42.4415, 56.9384



32.3556, 39.7116, 46.7239



8.6873, 8.5817, 9.8520



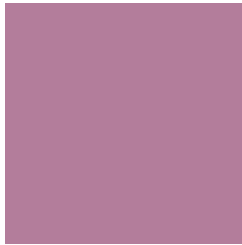
14.7764, 7.4281, 9.2485



0.4937, 0.2452, 0.4427

Previews

White Background



This preview shows how the XYZ color 31.8404, 26.6175, 34.4699 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 31.8404, 26.6175, 34.4699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

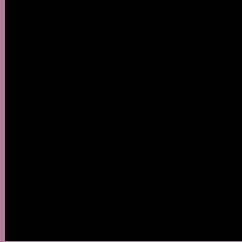
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8404, 26.6175, 34.4699

Background



This preview shows how black text looks on a background with the XYZ color 31.8404, 26.6175, 34.4699.



This preview shows how white text looks on a background with the XYZ color 31.8404, 26.6175,

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

31.8404, 26.6175, 34.4699

Protanopia

26.4861, 26.7911, 39.3725

Deuteranopia

27.2731, 26.6753, 33.8484



Tritanopia

30.4381, 26.6204, 27.5788

Trichromacy



Original Color

31.8404, 26.6175, 34.4699

Protanomaly

28.0459, 26.5766, 37.3698

Deuteranomaly

28.9182, 26.6852, 34.1985

Tritanomaly

30.9835, 26.6573, 29.8979

Monochromacy



Original Color

31.8404, 26.6175, 34.4699

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.4179, 27.5150, 32.2469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8404, 26.6175, 34.4699 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(179, 125, 155)` looks like.

```
.text, #text, p{  
    color:rgb(179, 125, 155)  
}
```

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(179, 125, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 125, 155) }
```

Border

The CSS property to change the border of an element to XYZ 31.8404, 26.6175, 34.4699 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(179, 125, 155) }
```


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

```
.border{ border-color:rgb(179, 125, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 125, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 125, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 125, 155);  
box-shadow:4px 4px 4px 4px rgb(179, 125,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8404, 26.6175, 34.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 125, 155) }
```

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

```
.background{ background-color: rgb(179,  
125, 155) }
```

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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