

Converting Colors

XYZ(31.6798, 25.3169, 31.6606)

Have a look what the booklet for
XYZ(31.6798, 25.3169, 31.6606)
contains.

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Color

**XYZ(31.6704, 25.3171,
31.6513)**

Conversions

Conversions Part 1

Format	Color
Hex	B87695
RGB	184, 118, 149
RGB Percent	72%, 46%, 58%
CMY	0.2784, 0.5372, 0.4157
CMYK	0.00, 0.36, 0.19, 0.28
HSL	332°, 32%, 59%
HSV	332°, 36%, 72%
XYZ	31.6704, 25.3171, 31.6513
YIQ	141.2680, 29.3850, 23.6330

Conversions

Conversions Part 2

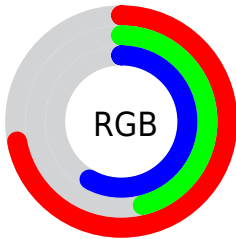
Format	Color
RYB	184, 118, 149
Decimal	12088981
CIELab	57.38, 30.33, -5.96
CIElCh	57, 30.912, 348.875
Yxy	25.3171, 0.3573, 0.2856
Android (android.graphics.Color)	4290279061 (0xFFB87695)
YUV	141.2680, 3.8119, 37.4760
Hunter-Lab	50.3161, 24.2999, -2.0751

Details

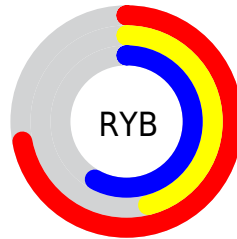
The XYZ color **31.6704, 25.3171, 31.6513** is a light color, and the websafe version is hex **996699**. A complement of this color would be **30.3625, 40.4331, 36.3429**, and the grayscale version is **25.4006, 26.7234, 29.1018**.

A 20% lighter version of the original color is **61.6180, 52.1384, 63.3160**, and **13.4776, 9.7619, 12.7292** is the 20% darker color. If you saturate the color by 10%, you get **28.9646, 21.1002, 27.0654**, and if you desaturate by 10%, it is **34.8656, 30.4077, 36.7230**.

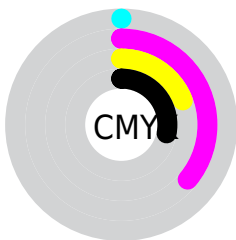
Distribution



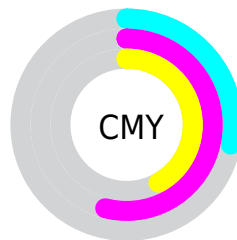
- Red (72%)
- Green (46%)
- Blue (58%)



- Red (72%)
- Yellow (46%)
- Blue (58%)



- Cyan (0%)
- Magenta (36%)
- Yellow (19%)
- Black (28%)





- Cyan (28%)
- Magenta (54%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6704, 25.3171, 31.6513 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 31.6704, 25.3171, 31.6513 by changing the saturation by 10% instead.


 31.6704, 25.3171,
31.6513


 31.6704, 25.3171,
31.6513


301.3871,
279.4135, 323.9714


 21.2642, 16.3135,
20.8327


 61.6627, 52.1712,
63.3556

 13.4308, 9.7462,
12.8117


 81.9795, 70.7904,
85.0783

 7.8049, 5.2310,
7.1698

 106.3306, 93.3837,
111.2729

 4.0211, 2.3834,
3.4885

135.0813,
120.3353, 142.3577

 1.7141, 0.8174,
1.3491

168.5969,
152.0297, 178.7515

 0.4651, 0.0000,
0.1016

207.2428,

 0.0000, 0.0000,

188.8512, 220.8726

0.0000

251.3845,
231.1844, 269.1398

■ 31.6704, 25.3171,
31.6513

■ 31.6704, 25.3171,
31.6513

■ 28.9646, 21.1002,
27.0654

■ 34.8656, 30.4077,
36.7230

■ 26.7197, 17.7036,
22.9471

■ 38.5723, 36.4146,
42.2946

■ 24.9076, 15.0732,
19.2791

■ 42.8137, 43.3815,
48.3814

■ 23.4959, 13.1471,
16.0422

■ 47.6109, 51.3486,
54.9976

■ 22.4472, 11.8536,
13.2149

■ 52.9840, 60.3535,
62.1568

■ 21.7146, 11.1014,
10.7724

■ 58.9520, 70.4321,
69.8719

■ 21.4640, 10.8691,
9.8597

■ 65.5328, 81.6184,
78.1555

■ 69.4015, 87.2601,
85.9055

■ 70.7876, 87.8145,
93.2047

Harmonies

Analogous

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



29.7782, 25.3171, 43.1045



31.6704, 25.3171, 31.6513



31.3750, 25.3171, 21.5329

Triad

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



31.6704, 25.3171, 31.6513



21.8523, 25.3171, 12.5270



19.7150, 25.3171, 45.7583

Complementary

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



31.6704, 25.3171, 31.6513



30.3625, 40.4331, 36.3429

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.



17.9859, 25.3171, 34.6323



31.6704, 25.3171, 31.6513



19.1305, 25.3171, 16.2983

Square

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



31.6704, 25.3171, 31.6513



25.4503, 25.3171, 12.1139



17.7834, 25.3171, 23.8483



22.7274, 25.3171, 52.5231

Rectangle

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



31.6704, 25.3171, 31.6513



29.9840, 25.3171, 16.7303



17.7834, 25.3171, 23.8483



18.9781, 25.3171, 42.2906

Sweetspot

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



31.6711, 25.3183, 31.6518



73.4001, 71.7045, 81.7197



28.0988, 23.1039, 48.3262



15.6041, 15.0980, 17.3008



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.



31.6711, 25.3183, 31.6518



53.4874, 39.7632, 50.7762



29.6468, 24.7170, 20.3492



9.1754, 9.0805, 10.2713



14.8279, 7.5049, 6.9804



0.5540, 0.2771, 0.4110

Inverse Universe

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



31.6711, 25.3183, 31.6518



53.4874, 39.7632, 50.7762



33.0366, 41.1385, 51.5470



9.1754, 9.0805, 10.2713



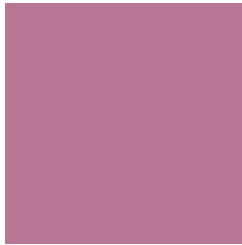
14.8279, 7.5049, 6.9804



0.5540, 0.2771, 0.4110

Previews

White Background



This preview shows how the XYZ color 31.6704, 25.3171, 31.6513 looks on a white background.

Color Contrast Check

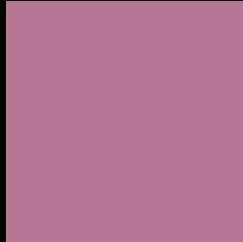
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6704, 25.3171, 31.6513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

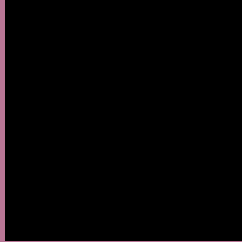
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6704, 25.3171, 31.6513

Background



This preview shows how black text looks on a background with the XYZ color 31.6704, 25.3171, 31.6513.



This preview shows how white text looks on a background with the XYZ color 31.6704, 25.3171,

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

31.6704, 25.3171, 31.6513

Protanopia

25.2102, 25.5329, 37.3178

Deuteranopia

25.9261, 25.4214, 30.7345



Tritanopia

30.2255, 25.2585, 24.7551

Trichromacy



Original Color

31.6704, 25.3171, 31.6513

Protanomaly

27.0173, 25.0750, 35.3143

Deuteranomaly

27.6836, 25.1220, 30.9937

Tritanomaly

30.8324, 25.3352, 27.3099

Monochromacy



Original Color

31.6704, 25.3171, 31.6513

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.3262, 25.9568, 29.9555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6704, 25.3171, 31.6513 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(184, 118, 149)` looks like.

```
.text, #text, p{  
    color:rgb(184, 118, 149)  
}
```

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(184, 118, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 118, 149) }
```

Border

The CSS property to change the border of an element to XYZ 31.6704, 25.3171, 31.6513 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(184, 118, 149) }
```


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

```
.border{ border-color:rgb(184, 118, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 118, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 118, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 118, 149);  
box-shadow:4px 4px 4px 4px rgb(184, 118,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6704, 25.3171, 31.6513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 118, 149) }
```

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

```
.background{ background-color: rgb(184,  
118, 149) }
```

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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