

Converting Colors

XYZ(31.6712, 19.7284, 26.5648)

Have a look what the booklet for
XYZ(31.6712, 19.7284, 26.5648)
contains.

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Color

**XYZ(31.6712, 19.7284,
26.5648)**

Conversions

Conversions Part 1

Format	Color
Hex	CA4D8B
RGB	202, 77, 139
RGB Percent	79%, 30%, 55%
CMY	0.2078, 0.6980, 0.4549
CMYK	0.00, 0.62, 0.31, 0.21
HSL	330°, 54%, 55%
HSV	330°, 62%, 79%
XYZ	31.6712, 19.7284, 26.5648
YIQ	121.4430, 54.5980, 45.7820

Conversions

Conversions Part 2

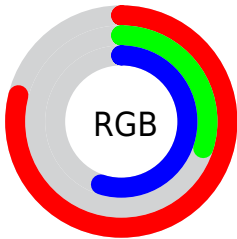
Format	Color
R_{YB}	202, 77, 139
Decimal	13258123
CIE Lab	51.53, 55.57, -8.54
CIE LCh	52, 56.221, 351.260
Yxy	19.7284, 0.4062, 0.2530
Android (android.graphics.Color)	4291448203 (0xFFCA4D8B)
YUV	121.4430, 8.6556, 70.6485
Hunter-Lab	44.4167, 49.5499, -4.3686

Details

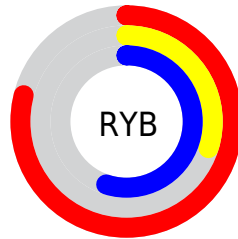
The XYZ color **31.6712, 19.7284, 26.5648** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **28.9158, 45.7129, 32.1130**, and the grayscale version is **18.2787, 19.2306, 20.9421**.

A 20% lighter version of the original color is **59.0057, 41.5683, 54.7827**, and **13.4133, 6.8676, 10.0698** is the 20% darker color. If you saturate the color by 10%, you get **29.7612, 17.0440, 22.4271**, and if you desaturate by 10%, it is **34.0904, 23.3200, 31.2144**.

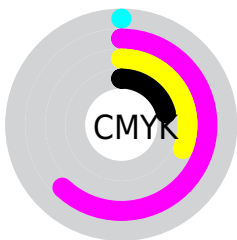
Distribution



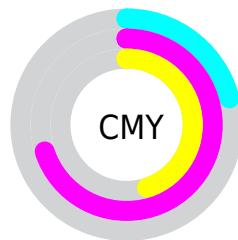
- Red (79%)
- Green (30%)
- Blue (55%)



- Red (79%)
- Yellow (30%)
- Blue (55%)



- Cyan (0%)
- Magenta (62%)
- Yellow (31%)
- Black (21%)



- Cyan (21%)
- Magenta (70%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6712, 19.7284, 26.5648 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 31.6712, 19.7284, 26.5648 by changing the saturation by 10% instead.

31.6712, 19.7284,
26.5648

31.6712, 19.7284,
26.5648

301.3907,
250.4410, 299.2370

21.2648, 12.1978,
17.0171

61.6640, 42.9614,
55.1799

13.4313, 6.8785,
10.0846

81.9810, 59.4325,
75.0845

7.8052, 3.3862,
5.3487

106.3324, 79.6525,
99.2783

4.0213, 1.3365,
2.3910

135.0834,
104.0060, 128.1801

1.7142, 0.1692,
0.7815

168.5993,
132.8771, 162.2083

0.4651, 0.0000,
0.0000

207.2456,

0.0000, 0.0000,

166.6504, 201.7815

0.0000

251.3876,
205.7102, 247.3182

■ 31.6712, 19.7284,
26.5648

■ 31.6712, 19.7284,
26.5648

■ 29.7612, 17.0440,
22.4271

■ 34.0904, 23.3200,
31.2144

■ 28.3146, 15.1786,
18.7764

■ 37.0556, 27.8901,
36.3966

■ 27.2797, 14.0318,
15.5857

■ 40.6020, 33.5061,
42.1320

■ 26.6665, 13.4803,
13.3006

■ 44.7615, 40.2287,
48.4394

■ 49.5631, 48.1139,
55.3366

■ 55.0343, 57.2138,
62.8405

■ 61.2008, 67.5774,
70.9672

■ 68.0869, 79.2511,
79.7322

■ 74.4891, 89.8253,
88.7414

Harmonies

Analogous

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



28.5671, 19.7284, 47.4312



31.6712, 19.7284, 26.5648



30.8094, 19.7284, 12.0579

Triad

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



31.6712, 19.7284, 26.5648



15.0810, 19.7284, 3.5736



12.7405, 19.7284, 56.0419

Complementary

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



31.6712, 19.7284, 26.5648



28.9158, 45.7129, 32.1130

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.



10.3386, 19.7284, 34.8550



31.6712, 19.7284, 26.5648



11.4890, 19.7284, 7.2993

Square

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



31.6712, 19.7284, 26.5648



20.4512, 19.7284, 3.0682



9.9317, 19.7284, 17.0909



17.1482, 19.7284, 69.2518

Rectangle

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



31.6712, 19.7284, 26.5648



28.1624, 19.7284, 6.8007



9.9317, 19.7284, 17.0909



11.7119, 19.7284, 49.2309

Sweetspot

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



31.6718, 19.7294, 26.5652



77.8085, 71.4137, 84.9739



24.0468, 15.1054, 57.5254



16.1760, 14.5046, 17.4872



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.6718, 19.7294, 26.5652



49.5414, 27.7258, 35.9480



28.3513, 18.4012, 9.0800



11.4404, 11.3049, 12.8539



17.2044, 8.6924, 8.7952



0.9259, 0.4638, 0.6555

Inverse Universe

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



31.6718, 19.7294, 26.5652



49.5414, 27.7258, 35.9480



34.8424, 48.0835, 63.3219



11.4404, 11.3049, 12.8539



17.2044, 8.6924, 8.7952



0.9259, 0.4638, 0.6555

Previews

White Background



This preview shows how the XYZ color 31.6712, 19.7284, 26.5648 looks on a white background.

Color Contrast Check

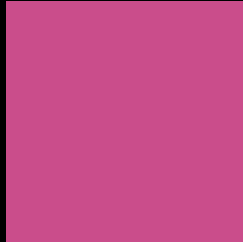
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6712, 19.7284, 26.5648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

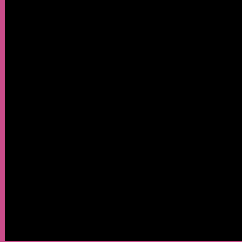
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6712, 19.7284, 26.5648

Background



This preview shows how black text looks on a background with the XYZ color 31.6712, 19.7284, 26.5648.



This preview shows how white text looks on a background with the XYZ color 31.6712, 19.7284,

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

31.6712, 19.7284, 26.5648

Protanopia

20.4276, 20.0348, 40.3266

Deuteranopia

20.3102, 19.9517, 24.9709



Tritanopia

28.6727, 19.6125, 12.6303

Trichromacy



Original Color

31.6712, 19.7284, 26.5648

Protanomaly

22.6533, 18.6163, 34.7471

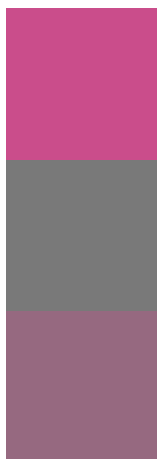
Deuteranomaly

23.2281, 18.8180, 25.3297

Tritanomaly

29.4609, 19.4544, 16.9542

Monochromacy



Original Color

31.6712, 19.7284, 26.5648

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

21.5255, 18.1457, 22.7900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6712, 19.7284, 26.5648 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(202, 77, 139)` looks like.

```
.text, #text, p{  
    color:rgb(202, 77, 139)  
}
```

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(202, 77, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 77, 139) }
```

Border

The CSS property to change the border of an element to XYZ 31.6712, 19.7284, 26.5648 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(202, 77, 139) }
```


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

```
.border{ border-color:rgb(202, 77, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 77, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 77, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 77, 139);  
box-shadow:4px 4px 4px 4px rgb(202, 77,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6712, 19.7284, 26.5648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 77, 139) }
```

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

```
.background{ background-color: rgb(202, 77,  
139) }
```

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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