

Converting Colors

XYZ(28.0057, 19.2075, 21.0900)

Have a look what the booklet for
XYZ(28.0057, 19.2075, 21.0900)
contains.

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Color

**XYZ(28.0511, 19.2283,
20.9719)**

Conversions

Conversions Part 1

Format	Color
Hex	BD587B
RGB	189, 88, 123
RGB Percent	74%, 35%, 48%
CMY	0.2588, 0.6549, 0.5176
CMYK	0.00, 0.53, 0.35, 0.26
HSL	339°, 43%, 54%
HSV	339°, 53%, 74%
XYZ	28.0511, 19.2283, 20.9719
YIQ	122.1890, 48.9610, 32.2970

Conversions

Conversions Part 2

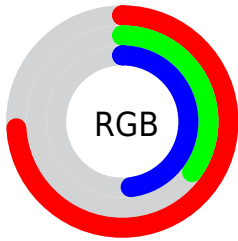
Format	Color
R_{YB}	189, 88, 123
Decimal	12408955
CIE _{Lab}	50.95, 44.30, -0.07
CIE _{LCh}	51, 44.303, 359.916
Yxy	19.2283, 0.4110, 0.2817
Android (android.graphics.Color)	4290599035 (0xFFBD587B)
YUV	122.1890, 0.3998, 58.5932
Hunter-Lab	43.8501, 37.4496, 2.3388

Details

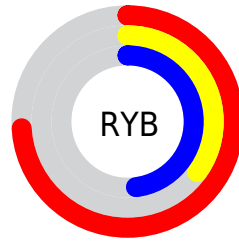
The XYZ color **28.0511, 19.2283, 20.9719** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **28.0558, 40.8034, 36.9712**, and the grayscale version is **18.5486, 19.5145, 21.2513**.

A 20% lighter version of the original color is **55.9741, 42.1014, 45.7337**, and **11.3528, 6.6020, 7.1545** is the 20% darker color. If you saturate the color by 10%, you get **25.9709, 16.2281, 16.7015**, and if you desaturate by 10%, it is **30.6321, 23.0738, 25.8909**.

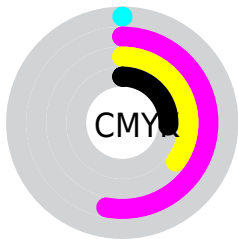
Distribution



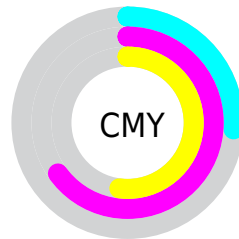
- Red (74%)
- Green (35%)
- Blue (48%)



- Red (74%)
- Yellow (35%)
- Blue (48%)



- Cyan (0%)
- Magenta (53%)
- Yellow (35%)
- Black (26%)





- Cyan (26%)
- Magenta (65%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0511, 19.2283, 20.9719 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 28.0511, 19.2283, 20.9719 by changing the saturation by 10% instead.


 28.0511, 19.2283,
20.9719


 28.0511, 19.2283,
20.9719


284.7867,
247.7062, 269.9053


 18.5048, 11.8354,
12.9124


 55.9741, 42.1195,
45.9209


 11.4149, 6.6317,
7.2382


 75.0815, 58.3866,
63.6476

 6.4160, 3.2328,
3.5308


 98.1067, 78.3805,
85.4337

 3.1427, 1.2545,
1.3717

 125.4150,
102.4856, 111.6978

 1.2297, 0.1055,
0.1195

157.3718,
131.0863, 142.8585

 0.1296, 0.0000,
0.0000

194.3425,

 0.0000, 0.0000,

164.5671, 179.3343

0.0000

236.6923,
203.3123, 221.5437

■ 28.0511, 19.2283,
20.9719

■ 28.0511, 19.2283,
20.9719

■ 25.9709, 16.2281,
16.7015

■ 30.6321, 23.0738,
25.8909

■ 24.3544, 14.0051,
13.0490

■ 33.7441, 27.8196,
31.4850

■ 23.1618, 12.4859,
9.9823

■ 37.4166, 33.5197,
37.7803

■ 22.3452, 11.5807,
7.4651

■ 41.6766, 40.2230,
44.8012

■ 21.9546, 11.2062,
6.0815

■ 46.5492, 47.9747,
52.5706

■ 52.0579, 56.8176,
61.1108

■ 58.2252, 66.7920,
70.4428

■ 65.0722, 77.9360,
80.5867

■ 71.6206, 88.2885,
91.2292

Harmonies

Analogous

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



26.5693, 19.2283, 35.4936



28.0511, 19.2283, 20.9719



26.5852, 19.2283, 11.0686

Triad

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



28.0511, 19.2283, 20.9719



14.3914, 19.2283, 6.2223



14.3731, 19.2283, 49.4880

Complementary

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



28.0511, 19.2283, 20.9719



28.0558, 40.8034, 36.9712

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.



11.9081, 19.2283, 35.4062



28.0511, 19.2283, 20.9719



11.9175, 19.2283, 11.0285

Square

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



28.0511, 19.2283, 20.9719



18.2883, 19.2283, 4.8988



11.0850, 19.2283, 20.9008



18.2635, 19.2283, 55.4767

Rectangle

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



28.0511, 19.2283, 20.9719



24.2491, 19.2283, 7.3788



11.0850, 19.2283, 20.9008



13.3742, 19.2283, 45.3250

Sweetspot

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



28.0516, 19.2293, 20.9723



72.3823, 68.4674, 76.5592



25.9358, 17.4904, 50.1531



15.2228, 14.1836, 15.9012



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.



28.0516, 19.2293, 20.9723



46.0004, 28.3425, 28.8012



27.6136, 21.2548, 11.8810



9.6630, 9.5895, 10.6143



14.8046, 7.5530, 4.2647



0.6112, 0.3084, 0.3320

Inverse Universe

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



28.0516, 19.2293, 20.9723



46.0004, 28.3425, 28.8012



28.3176, 35.9636, 53.5932



9.6630, 9.5895, 10.6143



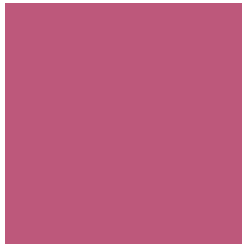
14.8046, 7.5530, 4.2647



0.6112, 0.3084, 0.3320

Previews

White Background



This preview shows how the XYZ color 28.0511, 19.2283, 20.9719 looks on a white background.

Color Contrast Check

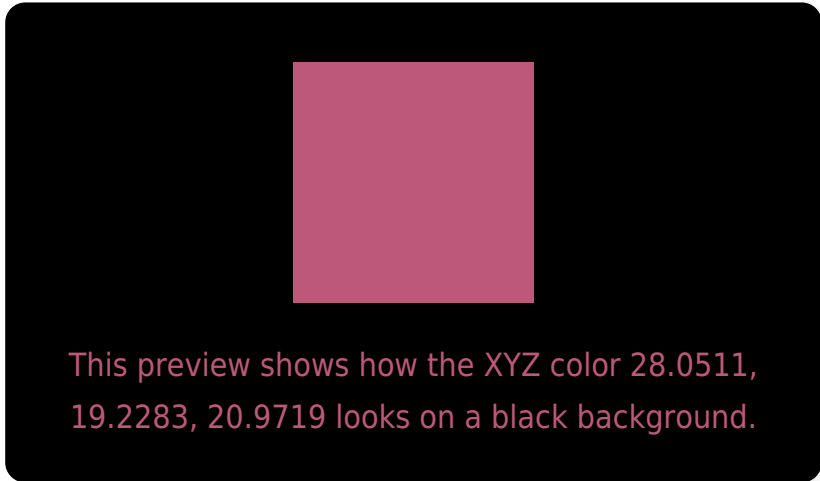
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

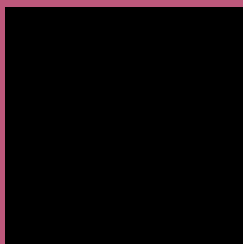
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.0511, 19.2283, 20.9719

Background



This preview shows how black text looks on a background with the XYZ color 28.0511, 19.2283, 20.9719.



This preview shows how white text looks on a background with the XYZ color 28.0511, 19.2283,

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

28.0511, 19.2283, 20.9719

Protanopia

19.2665, 19.5095, 28.7368

Deuteranopia

19.7401, 19.4158, 19.8467



Tritanopia

26.6600, 19.2943, 14.1234

Trichromacy



Original Color

28.0511, 19.2283, 20.9719

Protanomaly

21.4142, 18.6441, 25.7626

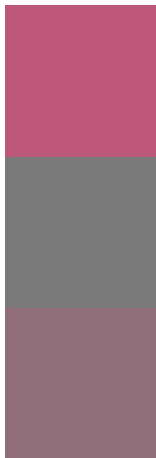
Deuteranomaly

22.1654, 18.8400, 20.2375

Tritanomaly

27.1869, 19.2562, 16.4713

Monochromacy



Original Color

28.0511, 19.2283, 20.9719

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.9428, 18.6680, 20.9118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0511, 19.2283, 20.9719 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(189, 88, 123)` looks like.

```
.text, #text, p{  
    color:rgb(189, 88, 123)  
}
```

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(189, 88, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 88, 123) }
```

Border

The CSS property to change the border of an element to XYZ 28.0511, 19.2283, 20.9719 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(189, 88, 123) }
```


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

```
.border{ border-color:rgb(189, 88, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 88, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 88, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 88, 123);  
box-shadow:4px 4px 4px 4px rgb(189, 88,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0511, 19.2283, 20.9719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 88, 123) }
```

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

```
.background{ background-color: rgb(189, 88,  
123) }
```

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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