

Converting Colors

XYZ(28.6912, 20.6432, 21.1296)

Have a look what the booklet for
XYZ(28.6912, 20.6432, 21.1296)
contains.

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Color

**XYZ(28.7443, 20.6146,
21.2029)**

Conversions

Conversions Part 1

Format	Color
Hex	BD607B
RGB	189, 96, 123
RGB Percent	74%, 38%, 48%
CMY	0.2588, 0.6235, 0.5176
CMYK	0.00, 0.49, 0.35, 0.26
HSL	343°, 41%, 56%
HSV	343°, 49%, 74%
XYZ	28.7443, 20.6146, 21.2029
YIQ	126.8850, 46.7610, 28.1130

Conversions

Conversions Part 2

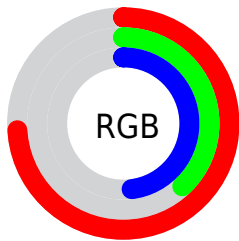
Format	Color
R_{YB}	189, 96, 123
Decimal	12411003
CIE _{Lab}	52.53, 40.25, 2.22
CIE _{LCh}	53, 40.309, 3.160
Yxy	20.6146, 0.4074, 0.2921
Android (android.graphics.Color)	4290601083 (0xFFBD607B)
YUV	126.8850, -1.9153, 54.4749
Hunter-Lab	45.4033, 33.5505, 4.0945

Details

The XYZ color **28.7443, 20.6146, 21.2029** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **29.5441, 41.4912, 40.6362**, and the grayscale version is **20.1291, 21.1773, 23.0621**.

A 20% lighter version of the original color is **57.1967, 44.5465, 46.1412**, and **11.8473, 7.3577, 7.2743** is the 20% darker color. If you saturate the color by 10%, you get **26.4396, 17.2582, 16.5719**, and if you desaturate by 10%, it is **31.5797, 24.8481, 26.5789**.

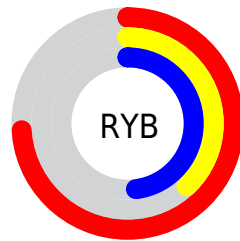
Distribution



Red (74%)

Green (38%)

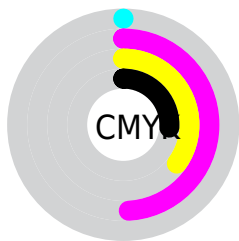
Blue (48%)



Red (74%)

Yellow (38%)

Blue (48%)

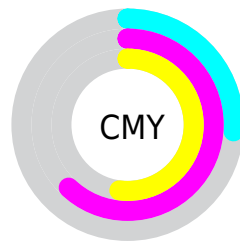


Cyan (0%)

Magenta (49%)

Yellow (35%)

Black (26%)



Cyan (26%)


Magenta (62%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7443, 20.6146, 21.2029 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 28.7443, 20.6146, 21.2029 by changing the saturation by 10% instead.


 28.7443, 20.6146,
21.2029

 28.7443, 20.6146,
21.2029


288.0226,
255.2232, 271.1712


 19.0308, 12.8426,
13.0797


 57.0710, 44.4452,
46.3101


 11.7967, 7.3202,
7.3521


 76.4148, 61.2726,
64.1313

 6.6766, 3.6632,
3.6015


 99.6995, 81.8873,
86.0221

 3.3052, 1.4870,
1.4094

 127.2903,
106.6736, 112.4012

 1.3171, 0.2795,
0.1490

159.5527,
136.0159, 143.6872

 0.1960, 0.0000,
0.0000

196.8520,

 0.0000, 0.0000,

170.2987, 180.2985

0.0000

239.5535,
209.9063, 222.6536

■ 28.7443, 20.6146,
21.2029

■ 28.7443, 20.6146,
21.2029

■ 26.4396, 17.2582,
16.5719

■ 31.5797, 24.8481,
26.5789

■ 24.6291, 14.7134,
12.6501

■ 34.9757, 30.0118,
32.7309

■ 23.2740, 12.9108,
9.4005


■ 38.9619, 36.1580,
39.6895


■ 22.3286, 11.7676,
6.7813


■ 43.5653, 43.3345,
47.4831


■ 21.7148, 11.1364,
4.7378


■ 48.8112, 51.5858,
56.1389

 21.6727, 11.0934,
4.5964

 54.7234, 60.9538,
65.6826

 61.3247, 71.4782,
76.1390

 68.6364, 83.1967,
87.5318

 73.0334, 88.8537,
98.6687

Harmonies

Analogous

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



27.6583, 20.6146, 34.4984



28.7443, 20.6146, 21.2029



27.1055, 20.6146, 12.0786

Triad

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



28.7443, 20.6146, 21.2029



15.5251, 20.6146, 8.1833



16.1903, 20.6146, 49.8188

Complementary

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



28.7443, 20.6146, 21.2029



29.5441, 41.4912, 40.6362

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.



13.6161, 20.6146, 37.5033



28.7443, 20.6146, 21.2029



13.2720, 20.6146, 13.5888

Square

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



28.7443, 20.6146, 21.2029



19.1546, 20.6146, 6.4337



12.6257, 20.6146, 23.7363



20.0391, 20.6146, 54.0869

Rectangle

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



28.7443, 20.6146, 21.2029



24.8076, 20.6146, 8.6227



12.6257, 20.6146, 23.7363



15.1666, 20.6146, 46.3099

Sweetspot

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



28.7449, 20.6156, 21.2033



72.9137, 69.6280, 76.4347



28.0871, 19.6285, 50.4525



15.3168, 14.4085, 15.8186



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.



28.7449, 20.6156, 21.2033



47.0837, 30.5235, 29.1174



29.1836, 23.8349, 14.1301



9.6410, 9.5807, 10.4986



14.6113, 7.4757, 3.2467



0.6018, 0.3046, 0.2822

Inverse Universe

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



28.7449, 20.6156, 21.2033



47.0837, 30.5235, 29.1174



28.4598, 35.0613, 53.4117



9.6410, 9.5807, 10.4986



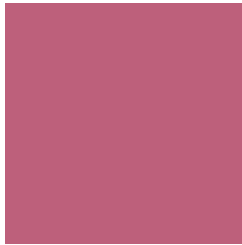
14.6113, 7.4757, 3.2467



0.6018, 0.3046, 0.2822

Previews

White Background



This preview shows how the XYZ color 28.7443, 20.6146, 21.2029 looks on a white background.

Color Contrast Check

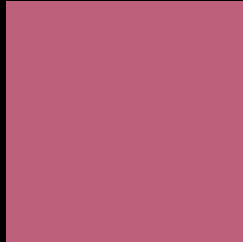
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7443, 20.6146, 21.2029 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 28.7443, 20.6146, 21.2029

Background



This preview shows how black text looks on a background with the XYZ color 28.7443, 20.6146, 21.2029.



This preview shows how white text looks on a background with the XYZ color 28.7443, 20.6146,

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

28.7443, 20.6146, 21.2029

Protanopia

20.3794, 20.8458, 27.7605

Deuteranopia

21.2738, 20.9137, 20.3683



Tritanopia

27.8024, 20.6557, 16.1573

Trichromacy



Original Color

28.7443, 20.6146, 21.2029

Protanomaly

22.5331, 20.0518, 25.2370

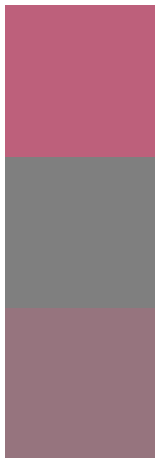
Deuteranomaly

23.3958, 20.4354, 20.4806

Tritanomaly

28.0314, 20.5966, 17.8274

Monochromacy



Original Color

28.7443, 20.6146, 21.2029

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.5890, 20.4812, 22.5014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7443, 20.6146, 21.2029 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, 96, 123)` looks like.

```
.text, #text, p{  
    color:rgb(189, 96, 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, 96, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 96, 123) }
```

Border

The CSS property to change the border of an element to XYZ 28.7443, 20.6146, 21.2029 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, 96, 123) }
```


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

```
.border{ border-color:rgb(189, 96, 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, 96, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 96, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 96, 123);  
box-shadow:4px 4px 4px 4px rgb(189, 96,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7443, 20.6146, 21.2029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 96, 123) }
```

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

```
.background{ background-color: rgb(189, 96,  
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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