

Converting Colors

XYZ(28.7386, 21.0742, 21.4167)

Have a look what the booklet for
XYZ(28.7386, 21.0742, 21.4167)
contains.

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Color

**XYZ(28.7760, 21.0451,
21.2843)**

Conversions

Conversions Part 1

Format	Color
Hex	BC637B
RGB	188, 99, 123
RGB Percent	74%, 39%, 48%
CMY	0.2627, 0.6117, 0.5176
CMYK	0.00, 0.47, 0.35, 0.26
HSL	344°, 40%, 56%
HSV	344°, 47%, 74%
XYZ	28.7760, 21.0451, 21.2843
YIQ	128.3470, 45.3400, 26.3320

Conversions

Conversions Part 2

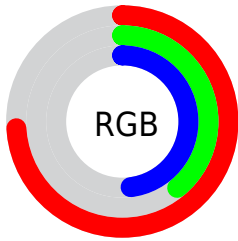
Format	Color
R_{YB}	188, 99, 123
Decimal	12346235
CIE _{Lab}	53.00, 38.33, 2.89
CIE _{LCh}	53, 38.438, 4.313
Yxy	21.0451, 0.4047, 0.2960
Android (android.graphics.Color)	4290536315 (0xFFBC637B)
YUV	128.3470, -2.6361, 52.3157
Hunter-Lab	45.8749, 31.6867, 4.6041

Details

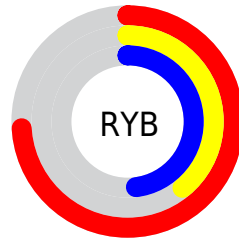
The XYZ color **28.7760, 21.0451, 21.2843** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **29.8307, 41.2999, 41.5237**, and the grayscale version is **20.6368, 21.7115, 23.6438**.

A 20% lighter version of the original color is **56.9721, 45.1444, 46.2684**, and **11.8087, 7.5139, 7.3065** is the 20% darker color. If you saturate the color by 10%, you get **26.3976, 17.5688, 16.5440**, and if you desaturate by 10%, it is **31.6907, 25.4009, 26.7987**.

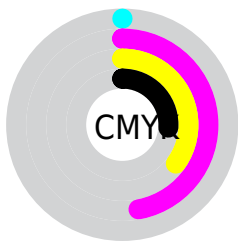
Distribution



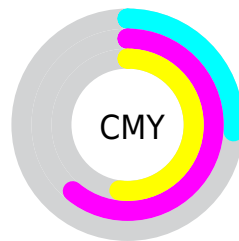
- Red (74%)
- Green (39%)
- Blue (48%)



- Red (74%)
- Yellow (39%)
- Blue (48%)



- Cyan (0%)
- Magenta (47%)
- Yellow (35%)
- Black (26%)





- Cyan (26%)
- Magenta (61%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7760, 21.0451, 21.2843 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 28.7760, 21.0451, 21.2843 by changing the saturation by 10% instead.

 28.7760, 21.0451,
21.2843


 28.7760, 21.0451,
21.2843

288.1699,
257.5181, 271.6161


 19.0549, 13.1570,
13.1387


 57.1210, 45.1626,
46.4471


 11.8142, 7.5367,
7.3923


 76.4756, 62.1607,
64.3014

 6.6886, 3.8000,
3.6265


 99.7721, 82.9643,
86.2291

 3.3127, 1.5623,
1.4228

 127.3758,
107.9578, 112.6486

 1.3212, 0.3320,
0.1594

159.6521,
137.5255, 143.9785

 0.1990, 0.0000,
0.0000

196.9663,

 0.0000, 0.0000,

172.0519, 180.6374

0.0000

239.6838,
211.9212, 223.0437

■ 28.7760, 21.0451,
21.2843

■ 28.7760, 21.0451,
21.2843

■ 26.3976, 17.5688,
16.5440

■ 31.6907, 25.4009,
26.7987

■ 24.5196, 14.9084,
12.5405

■ 35.1711, 30.6877,
33.1195

■ 23.1043, 12.9968,
9.2352


■ 39.2463, 36.9566,
40.2786


■ 22.1074, 11.7549,
6.5848


■ 43.9431, 44.2542,
48.3058


■ 21.4674, 11.0696,
4.5379


■ 49.2865, 52.6242,
57.2293

 21.3297, 10.9276,
4.0812

 55.3001, 62.1076,
67.0761

 62.0064, 72.7433,
77.8721

 69.4266, 84.5682,
89.6419

 73.2228, 88.9009,
100.9567

Harmonies

Analogous

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



27.8377, 21.0451, 33.9536



28.7760, 21.0451, 21.2843



27.1169, 21.0451, 12.5356

Triad

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



28.7760, 21.0451, 21.2843



15.9415, 21.0451, 9.0290



16.8258, 21.0451, 49.3254

Complementary

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



28.7760, 21.0451, 21.2843



29.8307, 41.2999, 41.5237

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.



14.2563, 21.0451, 37.8547



28.7760, 21.0451, 21.2843



13.7959, 21.0451, 14.5723

Square

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



28.7760, 21.0451, 21.2843



19.4251, 21.0451, 7.1355



13.2229, 21.0451, 24.6260



20.5917, 21.0451, 52.9660

Rectangle

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



28.7760, 21.0451, 21.2843



24.8767, 21.0451, 9.1941



13.2229, 21.0451, 24.6260



15.8110, 21.0451, 46.1040

Sweetspot

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



28.7766, 21.0462, 21.2847



73.6512, 70.8859, 77.3501



28.5997, 20.3194, 49.9916



15.4587, 14.6554, 15.9798



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.



28.7766, 21.0462, 21.2847



47.6143, 31.5133, 29.5146



29.5038, 24.6170, 15.0023



9.6330, 9.5775, 10.4564



14.5495, 7.4509, 2.9212



0.5983, 0.3032, 0.2639

Inverse Universe

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



28.7766, 21.0462, 21.2847



47.6143, 31.5133, 29.5146



28.3588, 34.5548, 52.7520



9.6330, 9.5775, 10.4564



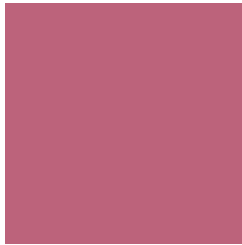
14.5495, 7.4509, 2.9212



0.5983, 0.3032, 0.2639

Previews

White Background



This preview shows how the XYZ color 28.7760, 21.0451, 21.2843 looks on a white background.

Color Contrast Check

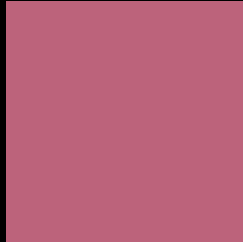
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7760, 21.0451, 21.2843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

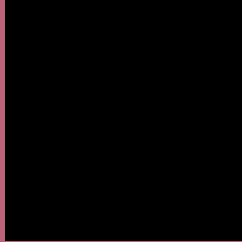
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7760, 21.0451, 21.2843

Background



This preview shows how black text looks on a background with the XYZ color 28.7760, 21.0451, 21.2843.



This preview shows how white text looks on a background with the XYZ color 28.7760, 21.0451,

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

28.7760, 21.0451, 21.2843

Protanopia

20.7252, 21.2214, 27.4299

Deuteranopia

21.5681, 21.2486, 20.4174



Tritanopia

28.0052, 21.1717, 17.0785

Trichromacy



Original Color

28.7760, 21.0451, 21.2843

Protanomaly

22.8735, 20.5738, 24.9559

Deuteranomaly

23.7056, 20.7616, 20.5273

Tritanomaly

28.1845, 21.0871, 18.5043

Monochromacy



Original Color

28.7760, 21.0451, 21.2843

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.7049, 20.7130, 22.5400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7760, 21.0451, 21.2843 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(188, 99, 123)` looks like.

```
.text, #text, p{  
    color:rgb(188, 99, 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(188, 99, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 99, 123) }
```

Border

The CSS property to change the border of an element to XYZ 28.7760, 21.0451, 21.2843 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(188, 99, 123) }
```


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

```
.border{ border-color:rgb(188, 99, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 99, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 99, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 99, 123);  
box-shadow:4px 4px 4px 4px rgb(188, 99,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7760, 21.0451, 21.2843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 99, 123) }
```

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

```
.background{ background-color: rgb(188, 99,  
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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