

# Converting Colors

XYZ(28.9229, 21.0221, 24.7095)

Have a look what the booklet for  
XYZ(28.9229, 21.0221, 24.7095)  
contains.

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# Color

**XYZ(28.9452, 21.0562,  
24.7290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA6385
RGB	186, 99, 133
RGB Percent	73%, 39%, 52%
CMY	0.2706, 0.6117, 0.4784
CMYK	0.00, 0.47, 0.28, 0.27
HSL	337°, 39%, 56%
HSV	337°, 47%, 73%
XYZ	28.9452, 21.0562, 24.7290
YIQ	128.8890, 40.9380, 29.0180

# Conversions

## Conversions Part 2

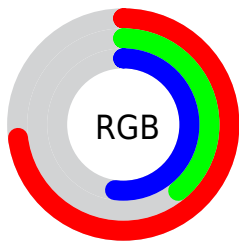
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 99, 133
Decimal	12215173
CIE <sub>Lab</sub>	53.01, 38.93, -3.04
CIE <sub>LCh</sub>	53, 39.052, 355.536
Yxy	21.0562, 0.3873, 0.2818
Android (android.graphics.Color)	4290405253 (0xFFBA6385)
YUV	128.8890, 2.0267, 50.0863
Hunter-Lab	45.8870, 32.2942, 0.1689

# Details

The XYZ color **28.9452, 21.0562, 24.7290** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **28.3730, 40.0381, 35.9404**, and the grayscale version is **20.8111, 21.8949, 23.8435**.

A 20% lighter version of the original color is **57.3994, 45.2347, 52.1603**, and **11.8631, 7.4998, 9.2099** is the 20% darker color. If you saturate the color by 10%, you get **26.6406, 17.6329, 20.3044**, and if you desaturate by 10%, it is **31.7413, 25.3270, 29.7346**.

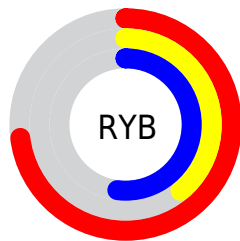
# Distribution



Red (73%)

Green (39%)

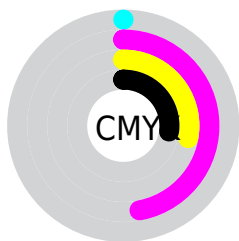
Blue (52%)



Red (73%)

Yellow (39%)

Blue (52%)

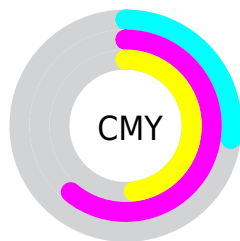


Cyan (0%)

Magenta (47%)

Yellow (28%)

Black (27%)



Cyan (27%)

Magenta (61%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9452, 21.0562, 24.7290 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 28.9452, 21.0562, 24.7290 by changing the saturation by 10% instead.





 28.9452, 21.0562,  
24.7290


 28.9452, 21.0562,  
24.7290


288.9552,  
257.5770, 289.8900


 19.1834, 13.1651,  
15.6581


 57.3882, 45.1810,  
52.1759


 11.9077, 7.5423,  
9.1308


 76.8001, 62.1836,  
71.3890

 6.7526, 3.8035,  
4.7286


 100.1595, 82.9920,  
94.8198

 3.3528, 1.5643,  
2.0330

 127.8316,  
107.9908, 122.8870

 1.3430, 0.3333,  
0.5755

160.1819,  
137.5643, 156.0091

 0.2150, 0.0000,  
0.0000

197.5757,

 0.0000, 0.0000,

172.0969, 194.6046

0.0000

240.3783,  
211.9730, 239.0920

■ 28.9452, 21.0562,  
24.7290

■ 28.9452, 21.0562,  
24.7290

■ 26.6406, 17.6329,  
20.3044

■ 31.7413, 25.3270,  
29.7346

■ 24.7947, 14.9964,  
16.4362

■ 35.0552, 30.4942,  
35.3418

■ 23.3736, 13.0828,  
13.0992


■ 38.9134, 36.6068,  
41.5719

■ 22.3370, 11.8168,  
10.2656


■ 43.3399, 43.7094,  
48.4443


■ 21.6314, 11.0961,  
7.9018


■ 48.3575, 51.8435,  
55.9779

 21.4420, 10.9160,  
7.2255

 53.9875, 61.0483,  
64.1903

 60.2502, 71.3611,  
73.0989

 67.1649, 82.8173,  
82.7201

 71.0030, 87.9564,  
91.8209

# Harmonies

## Analogous

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



27.2410, 21.0562, 38.2209



28.9452, 21.0562, 24.7290



28.0015, 21.0562, 14.5072

# Triad

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



28.9452, 21.0562, 24.7290



16.8041, 21.0562, 7.9942



15.8759, 21.0562, 47.0298

# Complementary

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



28.9452, 21.0562, 24.7290



28.3730, 40.0381, 35.9404

# 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.



13.7102, 21.0562, 34.0997



28.9452, 21.0562, 24.7290



14.1925, 21.0562, 12.3777

# Square

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



28.9452, 21.0562, 24.7290



20.6331, 21.0562, 6.9817



13.1385, 21.0562, 21.2140



19.4060, 21.0562, 53.6003



# Rectangle

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



28.9452, 21.0562, 24.7290



26.0579, 21.0562, 10.2947



13.1385, 21.0562, 21.2140



14.9842, 21.0562, 43.1064

# Sweetspot

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



28.9458, 21.0572, 24.7294



72.4711, 69.4487, 78.4035



26.1253, 19.0685, 48.7582



15.5936, 14.7093, 16.6903



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.



28.9458, 21.0572, 24.7294



48.2293, 31.8758, 36.6865



27.8336, 22.0030, 14.5856



9.1460, 9.0688, 10.1164



14.4599, 7.3577, 5.0427



0.5404, 0.2717, 0.3394



# Inverse Universe

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



28.9458, 21.0572, 24.7294



48.2293, 31.8758, 36.6865



29.7907, 37.7614, 52.1732



9.1460, 9.0688, 10.1164



14.4599, 7.3577, 5.0427

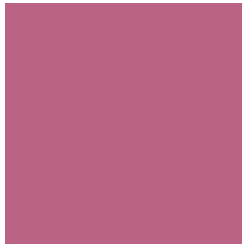


0.5404, 0.2717, 0.3394



# Previews

## White Background



This preview shows how the XYZ color 28.9452, 21.0562, 24.7290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

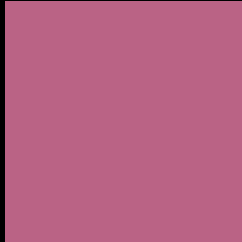
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 28.9452, 21.0562, 24.7290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

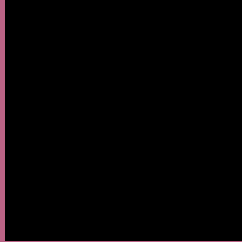
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 28.9452, 21.0562, 24.7290**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.9452, 21.0562, 24.7290.



This preview shows how white text looks on a background with the XYZ color 28.9452, 21.0562,



# 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

28.9452, 21.0562, 24.7290

### Protanopia

20.9919, 21.2613, 31.8516

### Deuteranopia

21.5266, 21.1542, 23.7175



## Tritanopia

27.4867, 21.0385, 17.6511

# Trichromacy



## Original Color

28.9452, 21.0562, 24.7290

## Protanomaly

22.9565, 20.5241, 29.1372

## Deuteranomaly

23.5641, 20.6149, 23.8562

## Tritanomaly

28.0887, 21.1489, 20.0545

# Monochromacy



## Original Color

28.9452, 21.0562, 24.7290

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

23.0854, 21.0526, 23.9659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.9452, 21.0562, 24.7290 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(186, 99, 133)` looks like.

```
.text, #text, p{  
    color:rgb(186, 99, 133)  
}
```

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(186, 99, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 99, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 28.9452, 21.0562, 24.7290 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(186, 99, 133) }
```



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

```
.border{ border-color:rgb(186, 99, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 99, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 99, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 99, 133);  
box-shadow:4px 4px 4px 4px rgb(186, 99,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.9452, 21.0562, 24.7290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 99, 133) }
```

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

```
.background{ background-color: rgb(186, 99,  
133) }
```

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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