

# Converting Colors

XYZ(29.9251, 19.4788, 20.1890)

Have a look what the booklet for  
XYZ(29.9251, 19.4788, 20.1890)  
contains.

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# Color

**XYZ(30.0217, 19.5572,  
20.2818)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C75279
RGB	199, 82, 121
RGB Percent	78%, 32%, 47%
CMY	0.2196, 0.6784, 0.5255
CMYK	0.00, 0.59, 0.39, 0.22
HSL	340°, 51%, 55%
HSV	340°, 59%, 78%
XYZ	30.0217, 19.5572, 20.2818
YIQ	121.4290, 57.2130, 36.9330

# Conversions

## Conversions Part 2

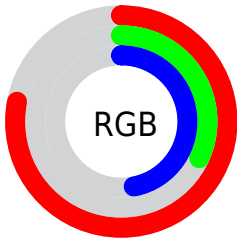
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 82, 121
Decimal	13062777
CIE <sub>Lab</sub>	51.33, 50.29, 1.87
CIE <sub>LCh</sub>	51, 50.322, 2.130
Yxy	19.5572, 0.4297, 0.2799
Android (android.graphics.Color)	4291252857 (0xFFC75279)
YUV	121.4290, -0.2115, 68.0298
Hunter-Lab	44.2235, 43.7858, 3.7649

# Details

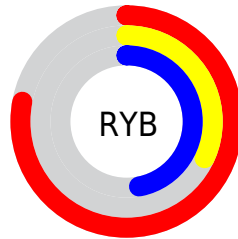
The XYZ color **30.0217, 19.5572, 20.2818** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **30.2494, 45.1793, 40.3867**, and the grayscale version is **18.3013, 19.2544, 20.9680**.

A 20% lighter version of the original color is **57.5870, 41.8854, 44.5847**, and **12.5137, 6.7970, 6.9557** is the 20% darker color. If you saturate the color by 10%, you get **27.9742, 16.6760, 15.8575**, and if you desaturate by 10%, it is **32.6172, 23.3553, 25.4413**.

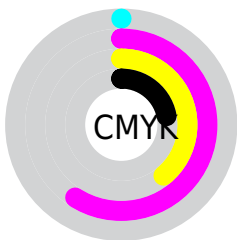
# Distribution



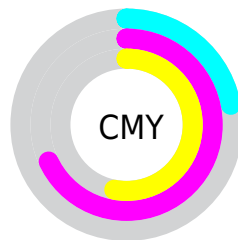
- Red (78%)
- Green (32%)
- Blue (47%)



- Red (78%)
- Yellow (32%)
- Blue (47%)



- Cyan (0%)
- Magenta (59%)
- Yellow (39%)
- Black (22%)



- Cyan (22%)
- Magenta (68%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0217, 19.5572, 20.2818 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 30.0217, 19.5572, 20.2818 by changing the saturation by 10% instead.




 30.0217, 19.5572,  
20.2818

 30.0217, 19.5572,  
20.2818


293.9136,  
249.5078, 266.0911


 20.0032, 12.0736,  
12.4139


 59.0829, 42.6735,  
44.7543


 12.5057, 6.7938,  
6.9003


 78.8563, 59.0751,  
62.1960


 7.1637, 3.3335,  
3.3223


 102.6121, 79.2180,  
83.6661

 3.6119, 1.3082,  
1.2615

 130.7155,  
103.4867, 109.5831

 1.4850, 0.1476,  
0.0299

 163.5321,  
132.2657, 140.3656

 0.3156, 0.0000,  
0.0000

201.4270,

 0.0000, 0.0000,

165.9393, 176.4321

0.0000

244.7657,  
204.8918, 218.2011

■ 30.0217, 19.5572,  
20.2818

■ 30.0217, 19.5572,  
20.2818

■ 27.9742, 16.6760,  
15.8575

■ 32.6172, 23.3553,  
25.4413

■ 26.4299, 14.6293,  
12.1304

■ 35.7976, 28.1372,  
31.3688

■ 25.3387, 13.3248,  
9.0602

■ 39.5983, 33.9672,  
38.0963

■ 24.6206, 12.6109,  
6.5944

■ 44.0512, 40.9032,  
45.6535

■ 24.5462, 12.5393,  
6.3315

■ 49.1861, 48.9987,  
54.0686

■ 55.0310, 58.3038,  
63.3681

■ 61.6120, 68.8657,  
73.5778

■ 68.9541, 80.7290,  
84.7219

■ 75.1019, 89.9776,  
96.1643

# Harmonies

## Analogous

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



28.5131, 19.5572, 37.0395



30.0217, 19.5572, 20.2818



28.0378, 19.5572, 9.7014

# Triad

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



30.0217, 19.5572, 20.2818



13.9058, 19.5572, 5.3990



14.4250, 19.5572, 56.3522

# Complementary

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



30.0217, 19.5572, 20.2818



30.2494, 45.1793, 40.3867

# 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.



11.5438, 19.5572, 39.6779



30.0217, 19.5572, 20.2818



11.2842, 19.5572, 10.7955

# Square

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



30.0217, 19.5572, 20.2818



18.2315, 19.5572, 3.8782



10.5037, 19.5572, 22.3403



18.9502, 19.5572, 62.6840



# Rectangle

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



30.0217, 19.5572, 20.2818



25.1782, 19.5572, 6.0616



10.5037, 19.5572, 22.3403



13.2623, 19.5572, 51.4872

# Sweetspot

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



30.0222, 19.5582, 20.2822



77.5737, 72.3135, 80.6740



27.8243, 17.6330, 55.9698



16.0812, 14.6595, 16.3933



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.



30.0222, 19.5582, 20.2822



48.0091, 27.8803, 25.5130



29.7794, 22.1573, 10.6912



10.7772, 10.6943, 11.8103



15.8204, 8.0777, 4.2641



0.7829, 0.3960, 0.3798



# Inverse Universe

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



30.0222, 19.5582, 20.2822



48.0091, 27.8803, 25.5130



30.0098, 38.3591, 59.8552



10.7772, 10.6943, 11.8103



15.8204, 8.0777, 4.2641



0.7829, 0.3960, 0.3798



# Previews

## White Background



This preview shows how the XYZ color 30.0217, 19.5572, 20.2818 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

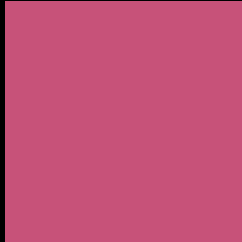
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 30.0217, 19.5572, 20.2818 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

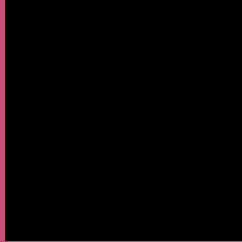
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.0217, 19.5572, 20.2818**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.0217, 19.5572, 20.2818.



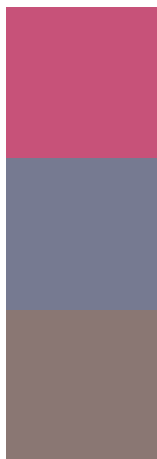
This preview shows how white text looks on a background with the XYZ color 30.0217, 19.5572,



# 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

30.0217, 19.5572, 20.2818

### Protanopia

19.5416, 19.8150, 29.5828

### Deuteranopia

20.1726, 19.8347, 18.9849



## Tritanopia

28.4099, 19.4770, 12.6180

# Trichromacy



## Original Color

30.0217, 19.5572, 20.2818

## Protanomaly

21.7343, 18.4960, 25.7171

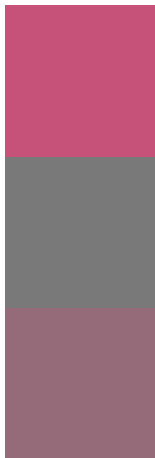
## Deuteranomaly

22.8621, 19.0660, 19.3048

## Tritanomaly

28.9854, 19.4820, 15.0647

# Monochromacy



## Original Color

30.0217, 19.5572, 20.2818

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

21.1033, 18.2854, 20.5063

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.0217, 19.5572, 20.2818 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(199, 82, 121)` looks like.

```
.text, #text, p{  
    color:rgb(199, 82, 121)  
}
```

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(199, 82, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 82, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 30.0217, 19.5572, 20.2818 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(199, 82, 121) }
```



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

```
.border{ border-color:rgb(199, 82, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 82, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 82, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 82, 121);  
box-shadow:4px 4px 4px 4px rgb(199, 82,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.0217, 19.5572, 20.2818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 82, 121) }
```

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

```
.background{ background-color: rgb(199, 82,  
121) }
```

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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