

# Converting Colors

XYZ(26.8384, 17.9106, 23.5464)

Have a look what the booklet for  
XYZ(26.8384, 17.9106, 23.5464)  
contains.

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# Color

**XYZ(26.9572, 18.0156,  
23.5293)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B85383
RGB	184, 83, 131
RGB Percent	72%, 33%, 51%
CMY	0.2784, 0.6745, 0.4863
CMYK	0.00, 0.55, 0.29, 0.28
HSL	331°, 42%, 52%
HSV	331°, 55%, 72%
XYZ	26.9572, 18.0156, 23.5293
YIQ	118.6710, 44.7880, 36.3400

# Conversions

## Conversions Part 2

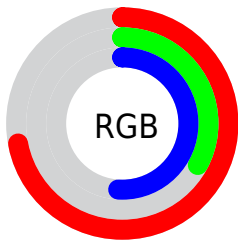
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	184, 83, 131
Decimal	12080003
CIE Lab	49.52, 46.12, -7.06
CIE LCh	50, 46.655, 351.295
Yxy	18.0156, 0.3935, 0.2630
Android (android.graphics.Color)	4290270083 (0xFFB85383)
YUV	118.6710, 6.0782, 57.2935
Hunter-Lab	42.4448, 39.0891, -3.1561

# Details

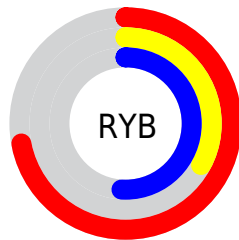
The XYZ color **26.9572, 18.0156, 23.5293** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **25.1527, 37.8981, 29.2840**, and the grayscale version is **17.4029, 18.3092, 19.9387**.

A 20% lighter version of the original color is **54.0738, 39.9463, 50.2078**, and **10.8644, 6.0771, 8.5830** is the 20% darker color. If you saturate the color by 10%, you get **25.1074, 15.3148, 19.8329**, and if you desaturate by 10%, it is **29.2426, 21.4896, 27.6722**.

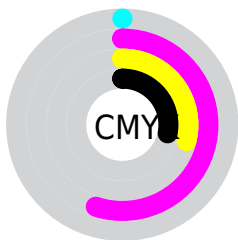
# Distribution



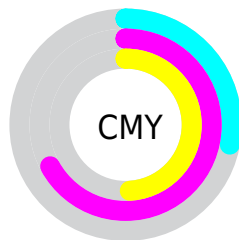
- Red (72%)
- Green (33%)
- Blue (51%)



- Red (72%)
- Yellow (33%)
- Blue (51%)



- Cyan (0%)
- Magenta (55%)
- Yellow (29%)
- Black (28%)




- Cyan (28%)
- Magenta (67%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9572, 18.0156, 23.5293 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 26.9572, 18.0156, 23.5293 by changing the saturation by 10% instead.





 26.9572, 18.0156,  
23.5293


 26.9572, 18.0156,  
23.5293


279.6212,  
240.9590, 283.6416


 17.6775, 10.9612,  
14.7759


 54.2356, 40.0639,  
50.1951


 10.8170, 6.0407,  
8.5174


 72.9649, 55.8266,  
68.9446


 6.0103, 2.8699,  
4.3353


 95.5749, 75.2608,  
91.8632

 2.8921, 1.0642,  
1.8110

 122.4308, 98.7510,  
119.3695

 1.0969, 0.0000,  
0.4352

 153.8980,  
126.6815, 151.8819

 0.0226, 0.0000,  
0.0000

190.3419,

 0.0000, 0.0000,

159.4367, 189.8190

0.0000

232.1279,  
197.4011, 233.5994

■ 26.9572, 18.0156,  
23.5293

■ 26.9572, 18.0156,  
23.5293

■ 25.1074, 15.3148,  
19.8329

■ 29.2426, 21.4896,  
27.6722

■ 23.6596, 13.3234,  
16.5632

■ 31.9906, 25.7888,  
32.2779

■ 22.5778, 11.9717,  
13.6997

■ 35.2277, 30.9635,  
37.3631

■ 21.8176, 11.1739,  
11.2186

■ 38.9779, 37.0593,  
42.9430

■ 21.5056, 10.8857,  
10.0792

■ 43.2635, 44.1187,  
49.0321

■ 48.1055, 52.1815,  
55.6444

■ 53.5238, 61.2851,  
62.7931

■ 59.5372, 71.4651,  
70.4909

■ 66.1637, 82.7555,  
78.7501

# Harmonies

## Analogous

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



24.6370, 18.0156, 39.0783



26.9572, 18.0156, 23.5293



26.3105, 18.0156, 12.0465

# Triad

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



26.9572, 18.0156, 23.5293



14.2223, 18.0156, 4.5665



12.3457, 18.0156, 45.3547

# Complementary

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



26.9572, 18.0156, 23.5293



25.1527, 37.8981, 29.2840

# 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.



10.3705, 18.0156, 29.8336



26.9572, 18.0156, 23.5293



11.3174, 18.0156, 8.0046

# Square

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



26.9572, 18.0156, 23.5293



18.4401, 18.0156, 4.0641



10.0295, 18.0156, 16.1625



15.8707, 18.0156, 54.7865



# Rectangle

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



26.9572, 18.0156, 23.5293



24.3240, 18.0156, 7.5504



10.0295, 18.0156, 16.1625



11.5056, 18.0156, 40.4261

# Sweetspot

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



26.9577, 18.0165, 23.5296



69.6631, 65.5533, 76.3959



21.7672, 14.8145, 47.0598



14.7083, 13.6268, 16.0145



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.9577, 18.0165, 23.5296



44.8714, 26.8553, 34.5734



24.5529, 17.2632, 10.2228



9.1775, 9.0814, 10.2823



14.8567, 7.5165, 7.1323



0.5551, 0.2775, 0.4163



# Inverse Universe

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



26.9577, 18.0165, 23.5296



44.8714, 26.8553, 34.5734



29.0125, 38.8859, 51.3242



9.1775, 9.0814, 10.2823



14.8567, 7.5165, 7.1323



0.5551, 0.2775, 0.4163



# Previews

## White Background



This preview shows how the XYZ color 26.9572, 18.0156, 23.5293 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

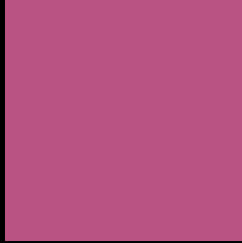
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.9572, 18.0156, 23.5293 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 26.9572, 18.0156, 23.5293**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.9572, 18.0156, 23.5293.



This preview shows how white text looks on a background with the XYZ color 26.9572, 18.0156,



# 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

26.9572, 18.0156, 23.5293

### Protanopia

18.5007, 18.3069, 33.1303

### Deuteranopia

18.5008, 18.2034, 22.2772



## Tritanopia

24.8699, 17.9992, 13.4727

# Trichromacy



## Original Color

26.9572, 18.0156, 23.5293

## Protanomaly

20.3932, 17.4127, 29.4803

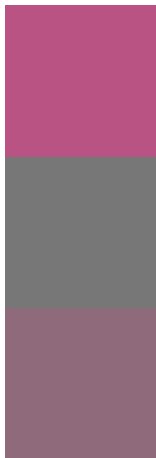
## Deuteranomaly

20.7792, 17.4621, 22.6974

## Tritanomaly

25.4599, 17.8656, 16.5745

# Monochromacy



## Original Color

26.9572, 18.0156, 23.5293

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

20.0569, 17.5778, 21.0746

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.9572, 18.0156, 23.5293 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(184, 83, 131)` looks like.

```
.text, #text, p{  
  color:rgb(184, 83, 131)  
}
```

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(184, 83, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 83, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 26.9572, 18.0156, 23.5293 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(184, 83, 131) }
```



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

```
.border{ border-color:rgb(184, 83, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 83, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 83, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 83, 131);  
box-shadow:4px 4px 4px 4px rgb(184, 83,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.9572, 18.0156, 23.5293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 83, 131) }
```

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

```
.background{ background-color: rgb(184, 83,  
131) }
```

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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