

# Converting Colors

XYZ(28.5003, 19.0797, 21.9193)

Have a look what the booklet for  
XYZ(28.5003, 19.0797, 21.9193)  
contains.

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# Color

**XYZ(28.5003, 19.0797,  
21.9193)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF557E
RGB	191, 85, 126
RGB Percent	75%, 33%, 49%
CMY	0.2510, 0.6666, 0.5059
CMYK	0.00, 0.55, 0.34, 0.25
HSL	337°, 45%, 54%
HSV	337°, 55%, 75%
XYZ	28.5003, 19.0797, 21.9193
YIQ	121.3680, 50.0150, 35.2230

# Conversions

## Conversions Part 2

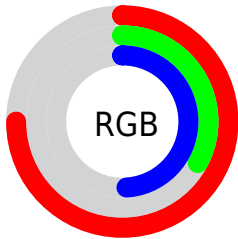
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 85, 126
Decimal	12539262
CIE <sub>Lab</sub>	50.78, 46.82, -2.08
CIE <sub>LCh</sub>	51, 46.862, 357.460
Yxy	19.0797, 0.4101, 0.2745
Android (android.graphics.Color)	4290729342 (0xFFBF557E)
YUV	121.3680, 2.2836, 61.0673
Hunter-Lab	43.6803, 40.0262, 0.8238

# Details

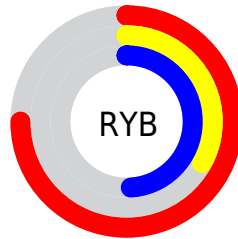
The XYZ color **28.5003, 19.0797, 21.9193** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **27.8832, 41.3955, 35.3770**, and the grayscale version is **18.2752, 19.2269, 20.9381**.

A 20% lighter version of the original color is **56.6495, 41.7556, 47.7217**, and **11.6353, 6.5327, 7.6689** is the 20% darker color. If you saturate the color by 10%, you get **26.4823, 16.1833, 17.7335**, and if you desaturate by 10%, it is **31.0136, 22.8250, 26.7072**.

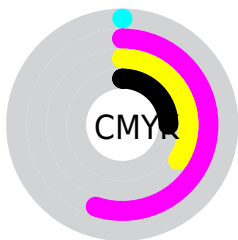
# Distribution



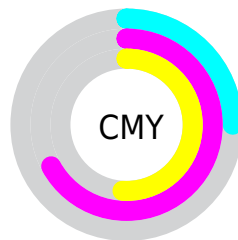
- Red (75%)
- Green (33%)
- Blue (49%)



- Red (75%)
- Yellow (33%)
- Blue (49%)



- Cyan (0%)
- Magenta (55%)
- Yellow (34%)
- Black (25%)




- Cyan (25%)
- Magenta (67%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5003, 19.0797, 21.9193 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 28.5003, 19.0797, 21.9193 by changing the saturation by 10% instead.





 28.5003, 19.0797,  
21.9193


 28.5003, 19.0797,  
21.9193

286.8868,  
246.8884, 275.0643


 18.8455, 11.7279,  
13.5999

 56.6853, 41.8687,  
47.5131


 11.6620, 6.5587,  
7.7073


 75.9462, 58.0747,  
65.6245


 6.5845, 3.1877,  
3.8232


 99.1398, 78.0009,  
87.8369

 3.2477, 1.2305,  
1.5289

 126.6316,  
102.0317, 114.5690

 1.2861, 0.0864,  
0.2393

 158.7868,  
130.5514, 146.2393

 0.1727, 0.0000,  
0.0000

195.9709,

 0.0000, 0.0000,

163.9445, 183.2662

0.0000

238.5491,  
202.5954, 226.0684

■ 28.5003, 19.0797,  
21.9193

■ 28.5003, 19.0797,  
21.9193

■ 26.4823, 16.1833,  
17.7335

■ 31.0136, 22.8250,  
26.7072

■ 24.9216, 14.0647,  
14.1216

■ 34.0534, 27.4770,  
32.1213

■ 23.7766, 12.6460,  
11.0541

■ 37.6498, 33.0916,  
38.1855

■ 22.9961, 11.8299,  
8.4970

■ 41.8304, 39.7196,  
44.9220

■ 22.7177, 11.5691,  
7.4917

■ 46.6206, 47.4080,  
52.3519

■ 52.0445, 56.2008,  
60.4952

■ 58.1248, 66.1397,  
69.3711

■ 64.8830, 77.2641,  
78.9980

■ 71.7286, 88.3895,  
89.1901

# Harmonies

## Analogous

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



26.6730, 19.0797, 37.6240



28.5003, 19.0797, 21.9193



27.1840, 19.0797, 11.1356

# Triad

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



28.5003, 19.0797, 21.9193



14.3494, 19.0797, 5.4165



13.7755, 19.0797, 50.3349

# Complementary

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



28.5003, 19.0797, 21.9193



27.8832, 41.3955, 35.3770

# 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.



11.3561, 19.0797, 34.8041



28.5003, 19.0797, 21.9193



11.6459, 19.0797, 9.8993

# Square

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



28.5003, 19.0797, 21.9193



18.5301, 19.0797, 4.3407



10.6473, 19.0797, 19.6704



17.7449, 19.0797, 57.8164



# Rectangle

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



28.5003, 19.0797, 21.9193



24.8064, 19.0797, 7.1292



10.6473, 19.0797, 19.6704



12.7812, 19.0797, 45.6295

# Sweetspot

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



28.5008, 19.0807, 21.9197



73.5110, 68.8950, 78.2247



24.9750, 16.6117, 51.1805



15.7976, 14.5805, 16.6268



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



28.5008, 19.0807, 21.9197



46.6371, 27.8828, 30.0047



27.2728, 20.0262, 11.0235



9.6788, 9.5958, 10.6976



14.9665, 7.6178, 5.1173



0.6185, 0.3113, 0.3700



# Inverse Universe

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



28.5008, 19.0807, 21.9197



46.6371, 27.8828, 30.0047



29.5532, 38.4978, 55.1636



9.6788, 9.5958, 10.6976



14.9665, 7.6178, 5.1173



0.6185, 0.3113, 0.3700



# Previews

## White Background



This preview shows how the XYZ color 28.5003, 19.0797, 21.9193 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

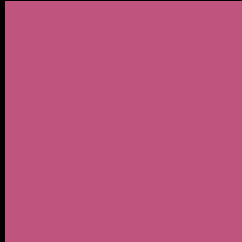
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 28.5003, 19.0797, 21.9193 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

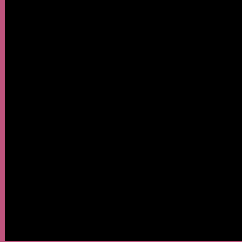
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 28.5003, 19.0797, 21.9193**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.5003, 19.0797, 21.9193.



This preview shows how white text looks on a background with the XYZ color 28.5003, 19.0797,



# 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

28.5003, 19.0797, 21.9193

### Protanopia

19.1320, 19.2159, 30.7176

### Deuteranopia

19.6025, 19.3239, 20.7859



## Tritanopia

26.8850, 19.1641, 13.5913

# Trichromacy



## Original Color

28.5003, 19.0797, 21.9193

## Protanomaly

21.3190, 18.2485, 27.2096

## Deuteranomaly

22.0556, 18.6082, 21.1682

## Tritanomaly

27.5144, 19.1746, 16.4383

# Monochromacy



## Original Color

28.5003, 19.0797, 21.9193

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

20.7918, 18.2662, 21.1688

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.5003, 19.0797, 21.9193 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(191, 85, 126)` looks like.

```
.text, #text, p{  
    color:rgb(191, 85, 126)  
}
```

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(191, 85, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 85, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 28.5003, 19.0797, 21.9193 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(191, 85, 126) }
```



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

```
.border{ border-color:rgb(191, 85, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 85, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 85, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 85, 126);  
box-shadow:4px 4px 4px 4px rgb(191, 85,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.5003, 19.0797, 21.9193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 85, 126) }
```

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

```
.background{ background-color: rgb(191, 85,  
126) }
```

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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