

# Converting Colors

XYZ(32.3826, 19.5131, 16.2380)

Have a look what the booklet for  
XYZ(32.3826, 19.5131, 16.2380)  
contains.

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# Color

**XYZ(32.2755, 19.4851,  
16.2472)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5456C
RGB	213, 69, 108
RGB Percent	84%, 27%, 42%
CMY	0.1647, 0.7294, 0.5765
CMYK	0.00, 0.68, 0.49, 0.16
HSL	344°, 63%, 55%
HSV	344°, 68%, 84%
XYZ	32.2755, 19.4851, 16.2472
YIQ	116.5020, 73.3050, 42.6570

# Conversions

## Conversions Part 2

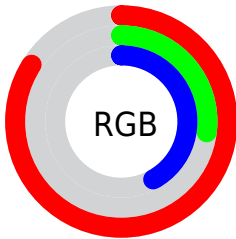
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 69, 108
Decimal	13976940
CIE Lab	51.25, 58.96, 9.87
CIE LCh	51, 59.780, 9.501
Yxy	19.4851, 0.4746, 0.2865
Android (android.graphics.Color)	4292167020 (0xFFD5456C)
YUV	116.5020, -4.1915, 84.6287
Hunter-Lab	44.1419, 53.2665, 9.0766

# Details

The XYZ color **32.2755, 19.4851, 16.2472** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **33.8899, 51.9103, 48.2823**, and the grayscale version is **16.7524, 17.6248, 19.1935**.

A 20% lighter version of the original color is **54.9589, 38.6849, 37.3712**, and **13.9792, 7.1092, 5.0503** is the 20% darker color. If you saturate the color by 10%, you get **30.4379, 17.0172, 11.9132**, and if you desaturate by 10%, it is **34.7314, 22.9541, 21.5142**.

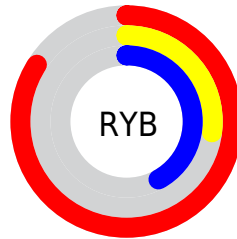
# Distribution



Red (84%)

Green (27%)

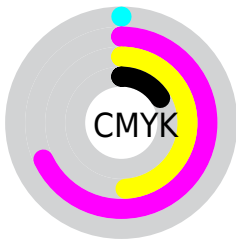
Blue (42%)



Red (84%)

Yellow (27%)

Blue (42%)

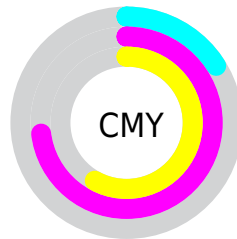


Cyan (0%)

Magenta (68%)

Yellow (49%)

Black (16%)



Cyan (16%)

Magenta (73%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2755, 19.4851, 16.2472 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 32.2755, 19.4851, 16.2472 by changing the saturation by 10% instead.





 32.2755, 19.4851,  
16.2472


 32.2755, 19.4851,  
16.2472


304.0954,  
249.1139, 242.6913


 21.7286, 12.0213,  
9.5430


 62.6050, 42.5522,  
37.7996


 13.7731, 6.7582,  
4.9954


 83.1183, 58.9243,  
53.4848


 8.0437, 3.3113,  
2.1859


 107.6845, 79.0347,  
73.0008

 4.1749, 1.2964,  
0.6662

 136.6688,  
103.2677, 96.7662

 1.8016, 0.1384,  
0.0000

 170.4368,  
132.0077, 125.1993

 0.5186, 0.0000,  
0.0000

209.3536,

 0.0000, 0.0000,

165.6391, 158.7189

0.0000

253.7847,  
204.5464, 197.7434

■ 32.2755, 19.4851,  
16.2472

■ 32.2755, 19.4851,  
16.2472

■ 30.4379, 17.0172,  
11.9132

■ 34.7314, 22.9541,  
21.5142

■ 29.1563, 15.4381,  
8.4525

■ 37.8566, 27.5143,  
27.7664


■ 28.3492, 14.5983,  
5.7957


■ 41.6982, 33.2493,  
35.0531


■ 28.1961, 14.4483,  
5.2629


■ 46.2986, 40.2335,  
43.4199

■ 51.6967, 48.5353,  
52.9093

 57.9288, 58.2181,  
63.5617

 65.0289, 69.3409,  
75.4153

 73.0290, 81.9597,  
88.5067

 80.1112, 92.4304,  
102.2546

# Harmonies

## Analogous

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



31.4594, 19.4851, 34.9073



32.2755, 19.4851, 16.2472



28.8428, 19.4851, 6.4396

# Triad

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



32.2755, 19.4851, 16.2472



12.1459, 19.4851, 4.6326



14.7903, 19.4851, 69.1870

# Complementary

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



32.2755, 19.4851, 16.2472



33.8899, 51.9103, 48.2823

# 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.



11.0110, 19.4851, 49.6835



32.2755, 19.4851, 16.2472



9.7271, 19.4851, 11.6743

# Square

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



32.2755, 19.4851, 16.2472



16.6923, 19.4851, 2.5190



9.3618, 19.4851, 27.1067



20.4765, 19.4851, 72.8287



# Rectangle

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



32.2755, 19.4851, 16.2472



24.9652, 19.4851, 3.6419



9.3618, 19.4851, 27.1067



13.2921, 19.4851, 63.9118

# Sweetspot

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



32.2760, 19.4862, 16.2475



75.4629, 69.4978, 75.6367



31.1966, 17.8550, 64.7528



15.6519, 14.1052, 15.3125



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.



32.2760, 19.4862, 16.2475



44.8336, 24.4182, 15.5488



33.0920, 23.7300, 8.4679



12.5600, 12.4755, 13.6233



17.2603, 8.8404, 3.4088



1.0758, 0.5471, 0.3884



# Inverse Universe

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



32.2760, 19.4862, 16.2475



44.8336, 24.4182, 15.5488



31.1525, 39.4444, 68.9223



12.5600, 12.4755, 13.6233



17.2603, 8.8404, 3.4088

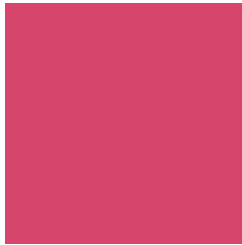


1.0758, 0.5471, 0.3884



# Previews

## White Background



This preview shows how the XYZ color 32.2755, 19.4851, 16.2472 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 32.2755, 19.4851, 16.2472 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

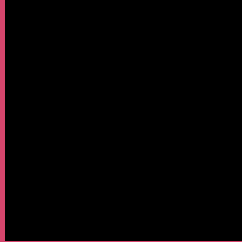
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 32.2755, 19.4851, 16.2472**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.2755, 19.4851, 16.2472.



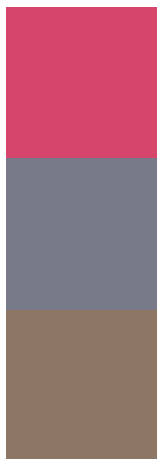
This preview shows how white text looks on a background with the XYZ color 32.2755, 19.4851,



# 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

32.2755, 19.4851, 16.2472

### Protanopia

19.3600, 19.7902, 26.4664

### Deuteranopia

19.9827, 19.6472, 15.0510



## Tritanopia

30.7913, 19.4456, 9.5276

# Trichromacy



## Original Color

32.2755, 19.4851, 16.2472

## Protanomaly

21.9426, 18.0769, 22.0714

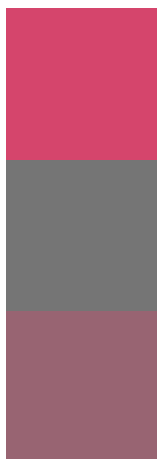
## Deuteranomaly

23.2043, 18.4387, 15.4327

## Tritanomaly

31.3794, 19.5003, 11.7829

# Monochromacy



## Original Color

32.2755, 19.4851, 16.2472

## Achromatopsia

16.9083, 17.7888, 19.3720

## Achromatomaly

20.5433, 17.0046, 18.1191

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.2755, 19.4851, 16.2472 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(213, 69, 108)` looks like.

```
.text, #text, p{  
    color:rgb(213, 69, 108)  
}
```

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(213, 69, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 69, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 32.2755, 19.4851, 16.2472 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(213, 69, 108) }
```



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

```
.border{ border-color:rgb(213, 69, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 69, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 69, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 69, 108);  
box-shadow:4px 4px 4px 4px rgb(213, 69,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.2755, 19.4851, 16.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 69, 108) }
```

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

```
.background{ background-color: rgb(213, 69,  
108) }
```

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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