

Converting Colors

XYZ(33.3251, 19.4515, 21.7580)

Have a look what the booklet for
XYZ(33.3251, 19.4515, 21.7580)
contains.

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Color

**XYZ(33.3308, 19.4693,
21.7399)**

Conversions

Conversions Part 1

Format	Color
Hex	D6407E
RGB	214, 64, 126
RGB Percent	84%, 25%, 49%
CMY	0.1608, 0.7490, 0.5059
CMYK	0.00, 0.70, 0.41, 0.16
HSL	335°, 65%, 55%
HSV	335°, 70%, 84%
XYZ	33.3308, 19.4693, 21.7399
YIQ	115.9180, 69.4980, 51.0820

Conversions

Conversions Part 2

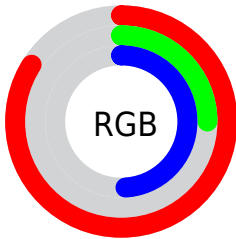
Format	Color
R _Y B	214, 64, 126
Decimal	14041214
CIE Lab	51.23, 62.80, -0.98
CIE LCh	51, 62.807, 359.108
Yxy	19.4693, 0.4472, 0.2612
Android (android.graphics.Color)	4292231294 (0xFFD6407E)
YUV	115.9180, 4.9704, 86.0179
Hunter-Lab	44.1240, 57.6199, 1.6747

Details

The XYZ color **33.3308, 19.4693, 21.7399** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **31.8297, 51.4506, 37.9630**, and the grayscale version is **16.5469, 17.4086, 18.9580**.

A 20% lighter version of the original color is **56.3362, 38.4337, 47.0970**, and **14.6660, 7.4058, 7.6777** is the 20% darker color. If you saturate the color by 10%, you get **31.5870, 17.1979, 17.4092**, and if you desaturate by 10%, it is **35.6401, 22.7089, 26.7611**.

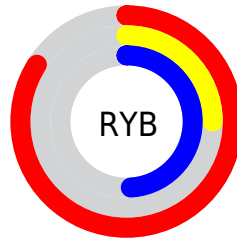
Distribution



Red (84%)

Green (25%)

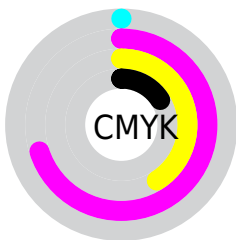
Blue (49%)



Red (84%)

Yellow (25%)

Blue (49%)

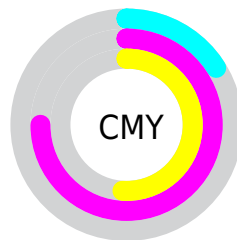


Cyan (0%)

Magenta (70%)

Yellow (41%)

Black (16%)



Cyan (16%)


Magenta (75%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3308, 19.4693, 21.7399 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 33.3308, 19.4693, 21.7399 by changing the saturation by 10% instead.

 33.3308, 19.4693,
21.7399


 33.3308, 19.4693,
21.7399


308.7764,
249.0275, 274.0940


 22.5404, 12.0099,
13.4694

 64.2429, 42.5256,
47.2124


 14.3734, 6.7504,
7.6181


 85.0953, 58.8913,
65.2515


 8.4642, 3.3065,
3.7673


 110.0324, 78.9945,
87.3839

 4.4477, 1.2938,
1.4986

 139.4196,
103.2197, 114.0281

 1.9584, 0.1364,
0.2169

 173.6223,
131.9511, 145.6027

 0.6104, 0.0000,
0.0000

213.0057,

 0.0000, 0.0000,

165.5733, 182.5261

0.0000

257.9353,
204.4706, 225.2171

■ 33.3308, 19.4693,
21.7399

■ 33.3308, 19.4693,
21.7399

■ 31.5870, 17.1979,
17.4092

■ 35.6401, 22.7089,
26.7611

■ 30.3471, 15.7776,
13.7295

■ 38.5643, 27.0098,
32.5064

■ 29.5114, 15.0081,
10.6711

■ 42.1488, 32.4575,
39.0078

■ 46.4341, 39.1278,
46.2947

■ 51.4574, 47.0900,
54.3947

■ 57.2530, 56.4083,
63.3341

■ 63.8532, 67.1423,
73.1378

■ 71.2883, 79.3482,
83.8295

■ 79.0713, 92.0480,
95.2601

Harmonies

Analogous

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



30.8693, 19.4693, 44.2687



33.3308, 19.4693, 21.7399



31.1336, 19.4693, 8.4663

Triad

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



33.3308, 19.4693, 21.7399



13.2474, 19.4693, 3.0956



12.9894, 19.4693, 66.6486

Complementary

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



33.3308, 19.4693, 21.7399



31.8297, 51.4506, 37.9630

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.



9.8576, 19.4693, 42.7675



33.3308, 19.4693, 21.7399



9.9813, 19.4693, 7.9722

Square

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



33.3308, 19.4693, 21.7399



18.6930, 19.4693, 2.0397



8.8933, 19.4693, 20.6667



18.3183, 19.4693, 77.6900

Rectangle

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



33.3308, 19.4693, 21.7399



27.5519, 19.4693, 4.3628



8.8933, 19.4693, 20.6667



11.6931, 19.4693, 59.3733

Sweetspot

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



33.3313, 19.4704, 21.7402



75.6296, 68.6026, 79.4798



26.8277, 15.1506, 65.1285



15.7253, 13.9478, 16.2747



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.



33.3313, 19.4704, 21.7402



46.0104, 24.4258, 23.1732



31.2768, 19.9057, 7.0457



12.6340, 12.5051, 14.0127



17.8868, 9.0911, 6.7082



1.1195, 0.5646, 0.6187

Inverse Universe

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



33.3313, 19.4704, 21.7402



46.0104, 24.4258, 23.1732



35.2561, 47.9524, 71.0156



12.6340, 12.5051, 14.0127



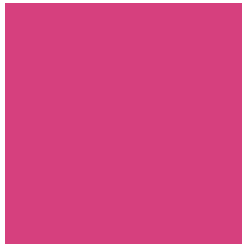
17.8868, 9.0911, 6.7082



1.1195, 0.5646, 0.6187

Previews

White Background



This preview shows how the XYZ color 33.3308, 19.4693, 21.7399 looks on a white background.

Color Contrast Check

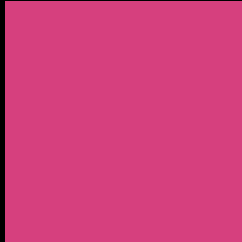
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3308, 19.4693, 21.7399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

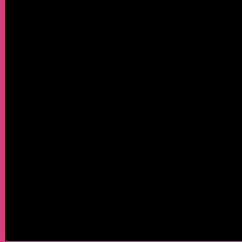
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3308, 19.4693, 21.7399

Background



This preview shows how black text looks on a background with the XYZ color 33.3308, 19.4693, 21.7399.



This preview shows how white text looks on a background with the XYZ color 33.3308, 19.4693,

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

33.3308, 19.4693, 21.7399

Protanopia

19.9525, 19.6927, 36.4677

Deuteranopia

20.0799, 19.7598, 20.2085



Tritanopia

30.8280, 19.4602, 9.7208

Trichromacy



Original Color

33.3308, 19.4693, 21.7399

Protanomaly

22.2969, 17.6420, 30.2470

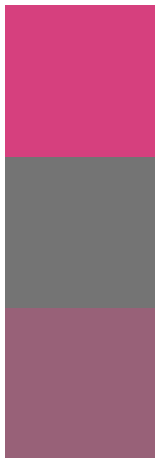
Deuteranomaly

23.2845, 18.2213, 20.7022

Tritanomaly

31.5623, 19.3666, 13.3839

Monochromacy



Original Color

33.3308, 19.4693, 21.7399

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

20.6138, 16.5809, 19.8833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3308, 19.4693, 21.7399 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(214, 64, 126)` looks like.

```
.text, #text, p{  
    color:rgb(214, 64, 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(214, 64, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 64, 126) }
```

Border

The CSS property to change the border of an element to XYZ 33.3308, 19.4693, 21.7399 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(214, 64, 126) }
```


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

```
.border{ border-color:rgb(214, 64, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 64, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 64, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 64, 126);  
box-shadow:4px 4px 4px 4px rgb(214, 64,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3308, 19.4693, 21.7399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 64, 126) }
```

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

```
.background{ background-color: rgb(214, 64,  
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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