

Converting Colors

XYZ(33.6989, 19.9627, 24.7696)

Have a look what the booklet for
XYZ(33.6989, 19.9627, 24.7696)
contains.

XYZ(33.5216, 19.8525, 24.6194)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.5216, 19.8525,
24.6194)**

Conversions

Conversions Part 1

Format	Color
Hex	D44486
RGB	212, 68, 134
RGB Percent	83%, 27%, 53%
CMY	0.1686, 0.7333, 0.4745
CMYK	0.00, 0.68, 0.37, 0.17
HSL	333°, 63%, 55%
HSV	333°, 68%, 83%
XYZ	33.5216, 19.8525, 24.6194
YIQ	118.5800, 64.6380, 51.0540

Conversions

Conversions Part 2

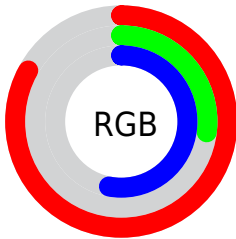
Format	Color
R_{YB}	212, 68, 134
Decimal	13911174
CIE Lab	51.67, 61.58, -5.17
CIE LCh	52, 61.799, 355.200
Yxy	19.8525, 0.4298, 0.2545
Android (android.graphics.Color)	4292101254 (0xFFD44486)
YUV	118.5800, 7.6021, 81.9293
Hunter-Lab	44.5561, 56.3204, -1.5713

Details

The XYZ color **33.5216, 19.8525, 24.6194** 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 **31.1169, 50.3919, 35.2840**, and the grayscale version is **17.3656, 18.2699, 19.8960**.

A 20% lighter version of the original color is **57.5433, 39.5151, 51.6080**, and **14.7766, 7.4282, 9.2493** is the 20% darker color. If you saturate the color by 10%, you get **31.7052, 17.4328, 20.2744**, and if you desaturate by 10%, it is **35.8894, 23.2359, 29.5777**.

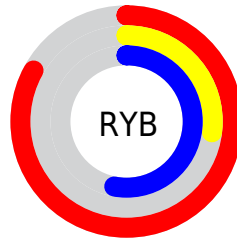
Distribution



Red (83%)

Green (27%)

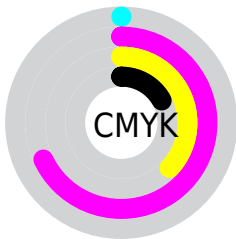
Blue (53%)



Red (83%)

Yellow (27%)

Blue (53%)

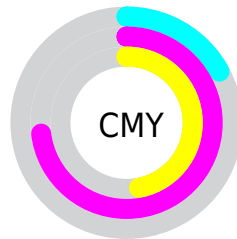


Cyan (0%)

Magenta (68%)

Yellow (37%)

Black (17%)



Cyan (17%)


Magenta (73%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5216, 19.8525, 24.6194 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 33.5216, 19.8525, 24.6194 by changing the saturation by 10% instead.


 33.5216, 19.8525,
24.6194


 33.5216, 19.8525,
24.6194


309.6172,
251.1155, 289.3239


 22.6875, 12.2879,
15.5773


 64.5383, 43.1698,
51.9955


 14.4823, 6.9400,
9.0744


 85.4515, 59.6912,
71.1667


 8.5408, 3.4246,
4.6923


 110.4552, 79.9670,
94.5512

 4.4976, 1.3572,
2.0123

 139.9146,
104.3815, 122.5677

 1.9873, 0.1849,
0.5628

 174.1952,
133.3193, 155.6346

 0.6268, 0.0000,
0.0000

213.6622,

 0.0000, 0.0000,

167.1646, 194.1706

0.0000

258.6811,
206.3019, 238.5942

■ 33.5216, 19.8525,
24.6194

■ 33.5216, 19.8525,
24.6194

■ 31.7052, 17.4328,
20.2744

■ 35.8894, 23.2359,
29.5777

■ 30.3832, 15.8670,
16.5096

■ 38.8546, 27.6705,
35.1772


■ 29.4777, 15.0042,
13.2848


■ 42.4598, 33.2376,
41.4447


■ 29.3166, 14.8631,
12.6723


■ 46.7430, 40.0095,
48.4050

■ 51.7394, 48.0525,
56.0811

 57.4813, 57.4280,
64.4952

 63.9993, 68.1932,
73.6680

 71.3220, 80.4023,
83.6196

 78.2496, 91.6523,
93.9602

Harmonies

Analogous

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



30.5305, 19.8525, 47.7422



33.5216, 19.8525, 24.6194



31.9347, 19.8525, 10.0414

Triad

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



33.5216, 19.8525, 24.6194



14.2094, 19.8525, 3.0522



12.8186, 19.8525, 63.8679

Complementary

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



33.5216, 19.8525, 24.6194



31.1169, 50.3919, 35.2840

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.



9.9646, 19.8525, 39.7873



33.5216, 19.8525, 24.6194



10.6347, 19.8525, 7.3416

Square

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



33.5216, 19.8525, 24.6194



19.8907, 19.8525, 2.2756



9.2634, 19.8525, 18.8674



17.8833, 19.8525, 77.0892

Rectangle

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



33.5216, 19.8525, 24.6194



28.6447, 19.8525, 5.2559



9.2634, 19.8525, 18.8674



11.6170, 19.8525, 56.2970

Sweetspot

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



33.5222, 19.8536, 24.6197



76.7496, 70.0124, 82.4123



25.5938, 14.8907, 63.8127



15.9576, 14.2275, 16.9222



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.



33.5222, 19.8536, 24.6197



47.0754, 25.1511, 27.8592



30.5650, 19.1544, 7.5564



12.6576, 12.5145, 14.1371



18.1479, 9.1955, 8.0829



1.1361, 0.5712, 0.7060

Inverse Universe

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



33.5222, 19.8536, 24.6197



47.0754, 25.1511, 27.8592



36.6296, 50.7056, 70.1440



12.6576, 12.5145, 14.1371



18.1479, 9.1955, 8.0829



1.1361, 0.5712, 0.7060

Previews

White Background



This preview shows how the XYZ color 33.5216, 19.8525, 24.6194 looks on a white background.

Color Contrast Check

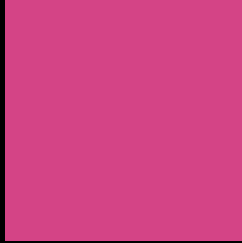
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5216, 19.8525, 24.6194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

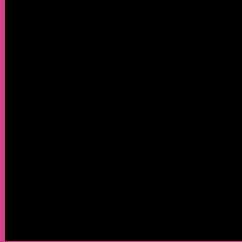
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5216, 19.8525, 24.6194

Background



This preview shows how black text looks on a background with the XYZ color 33.5216, 19.8525, 24.6194.



This preview shows how white text looks on a background with the XYZ color 33.5216, 19.8525,

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

33.5216, 19.8525, 24.6194

Protanopia

20.5514, 20.0986, 40.3324

Deuteranopia

20.3788, 20.0336, 22.8715



Tritanopia

30.5208, 19.8031, 10.8081

Trichromacy



Original Color

33.5216, 19.8525, 24.6194

Protanomaly

22.7847, 18.1061, 33.7464

Deuteranomaly

23.5832, 18.6004, 23.4664

Tritanomaly

31.3271, 19.7035, 14.9840

Monochromacy



Original Color

33.5216, 19.8525, 24.6194

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

21.3321, 17.3419, 21.2918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5216, 19.8525, 24.6194 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(212, 68, 134)` looks like.

```
.text, #text, p{  
    color:rgb(212, 68, 134)  
}
```

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(212, 68, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 68, 134) }
```

Border

The CSS property to change the border of an element to XYZ 33.5216, 19.8525, 24.6194 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(212, 68, 134) }
```


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

```
.border{ border-color:rgb(212, 68, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 68, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 68, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 68, 134);  
box-shadow:4px 4px 4px 4px rgb(212, 68,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5216, 19.8525, 24.6194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 68, 134) }
```

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

```
.background{ background-color: rgb(212, 68,  
134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor