

Converting Colors

XYZ(33.4853, 19.0518, 40.4406)

Have a look what the booklet for
XYZ(33.4853, 19.0518, 40.4406)
contains.

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Color

**XYZ(33.4853, 19.0518,
40.4406)**

Conversions

Conversions Part 1

Format	Color
Hex	CA3FAB
RGB	202, 63, 171
RGB Percent	79%, 25%, 67%
CMY	0.2078, 0.7529, 0.3294
CMYK	0.00, 0.69, 0.15, 0.21
HSL	313°, 57%, 52%
HSV	313°, 69%, 79%
XYZ	33.4853, 19.0518, 40.4406
YIQ	116.8730, 48.1760, 63.0560

Conversions

Conversions Part 2

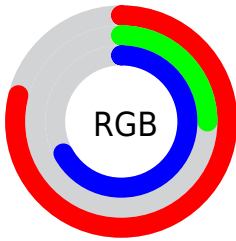
Format	Color
R_{YB}	202, 63, 171
Decimal	13254571
CIE _{Lab}	50.75, 65.43, -28.68
CIE _{LCh}	51, 71.440, 336.330
Yxy	19.0518, 0.3601, 0.2049
Android (android.graphics.Color)	4291444651 (0xFFCA3FAB)
YUV	116.8730, 26.6846, 74.6564
Hunter-Lab	43.6484, 60.5535, -24.3789

Details

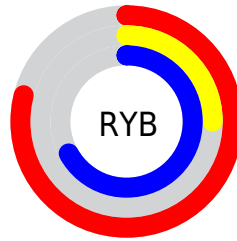
The XYZ color **33.4853, 19.0518, 40.4406** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **25.1918, 44.1067, 17.7771**, and the grayscale version is **16.7799, 17.6537, 19.2249**.

A 20% lighter version of the original color is **61.9425, 40.4808, 77.2219**, and **14.7716, 7.2373, 17.7579** is the 20% darker color. If you saturate the color by 10%, you get **32.1427, 17.0418, 37.9103**, and if you desaturate by 10%, it is **35.2541, 21.8900, 43.1855**.

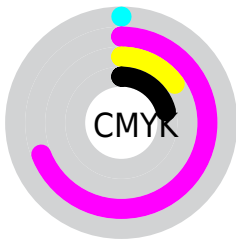
Distribution



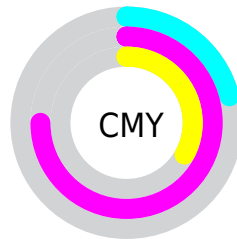
- Red (79%)
- Green (25%)
- Blue (67%)



- Red (79%)
- Yellow (25%)
- Blue (67%)



- Cyan (0%)
- Magenta (69%)
- Yellow (15%)
- Black (21%)





- Cyan (21%)
- Magenta (75%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4853, 19.0518, 40.4406 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 33.4853, 19.0518, 40.4406 by changing the saturation by 10% instead.


 33.4853, 19.0518,
40.4406


 33.4853, 19.0518,
40.4406


309.4573,
246.7346, 363.5843

 22.6595, 11.7077,
27.5658

 64.4821, 41.8216,
77.0784

 14.4616, 6.5450,
17.7625


 85.3838, 58.0161,
101.6785


 8.5262, 3.1792,
10.6119

 110.3748, 77.9296,
131.0242

 4.4881, 1.2260,
5.6956

 139.8205,
101.9463, 165.5339

 1.9818, 0.0828,
2.5951

 174.0863,
130.4508, 205.6262

 0.6237, 0.0000,
0.8899

213.5374,

 0.0000, 0.0000,

163.8274, 251.7197

0.0000

258.5393,
202.4606, 304.2329

■ 33.4853, 19.0518,
40.4406

■ 33.4853, 19.0518,
40.4406

■ 32.1427, 17.0418,
37.9103

■ 35.2541, 21.8900,
43.1855

■ 31.1767, 15.7622,
35.5769

■ 37.4875, 25.6341,
46.1580

■ 30.5107, 15.0598,
33.4144

■ 40.2218, 30.3561,
49.3711

■ 30.4387, 14.9892,
33.1638

■ 43.4891, 36.1199,
52.8361

■ 47.3186, 42.9840,
56.5636

■ 51.7377, 51.0026,
60.5632

■ 56.7716, 60.2261,
64.8440

■ 62.4443, 70.7022,
69.4147

■ 68.7783, 82.4758,
74.2833

Harmonies

Analogous

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



27.3329, 19.0518, 70.0270



33.4853, 19.0518, 40.4406



35.0963, 19.0518, 16.7698

Triad

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



33.4853, 19.0518, 40.4406



16.6613, 19.0518, 1.1655



9.2699, 19.0518, 53.0802

Complementary

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



33.4853, 19.0518, 40.4406



25.1918, 44.1067, 17.7771

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.



7.7377, 19.0518, 25.3015



33.4853, 19.0518, 40.4406



11.2346, 19.0518, 2.5913

Square

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



33.4853, 19.0518, 40.4406



24.0816, 19.0518, 1.6660



8.3503, 19.0518, 8.7786



13.2145, 19.0518, 80.0556

Rectangle

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



33.4853, 19.0518, 40.4406



33.0883, 19.0518, 7.8941



8.3503, 19.0518, 8.7786



8.5093, 19.0518, 43.0299

Sweetspot

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



33.4859, 19.0527, 40.4410



78.4179, 69.7179, 94.1626



16.9652, 10.1536, 56.9432



16.3897, 14.2136, 19.7736



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.



33.4859, 19.0527, 40.4410



53.4766, 27.5573, 62.0429



28.5528, 17.0795, 14.4634



11.5763, 11.3593, 13.5694



19.6215, 9.6592, 21.5233



1.0393, 0.5091, 1.2531

Inverse Universe

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



33.4859, 19.0527, 40.4410



53.4766, 27.5573, 62.0429



29.7478, 45.9291, 41.7690



11.5763, 11.3593, 13.5694



19.6215, 9.6592, 21.5233



1.0393, 0.5091, 1.2531

Previews

White Background



This preview shows how the XYZ color 33.4853, 19.0518, 40.4406 looks on a white background.

Color Contrast Check

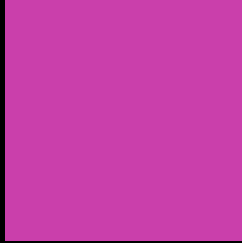
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4853, 19.0518, 40.4406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

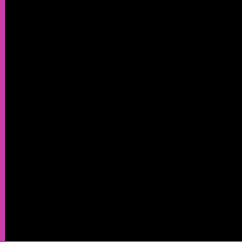
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4853, 19.0518, 40.4406

Background



This preview shows how black text looks on a background with the XYZ color 33.4853, 19.0518, 40.4406.



This preview shows how white text looks on a background with the XYZ color 33.4853, 19.0518,

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

33.4853, 19.0518, 40.4406

Protanopia

21.9045, 19.4625, 68.2478

Deuteranopia

19.7577, 19.3923, 37.3521



Tritanopia

27.5077, 18.8976, 12.3230

Trichromacy



Original Color

33.4853, 19.0518, 40.4406



Protanomaly

22.6782, 16.9704, 56.7239



Deuteranomaly

22.6725, 17.5165, 38.2624



Tritanomaly

29.2015, 18.6996, 20.1594

Monochromacy



Original Color

33.4853, 19.0518, 40.4406



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

21.0028, 16.6514, 25.7740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4853, 19.0518, 40.4406 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(202, 63, 171)` looks like.

```
.text, #text, p{  
    color:rgb(202, 63, 171)  
}
```

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(202, 63, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 63, 171) }
```

Border

The CSS property to change the border of an element to XYZ 33.4853, 19.0518, 40.4406 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(202, 63, 171) }
```


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

```
.border{ border-color:rgb(202, 63, 171) }
```

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

Here you see how a box with a 4 pixel rgb(202, 63, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 63, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 63, 171);  
box-shadow:4px 4px 4px 4px rgb(202, 63,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4853, 19.0518, 40.4406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 63, 171) }
```

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

```
.background{ background-color: rgb(202, 63,  
171) }
```

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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