

Converting Colors

XYZ(33.6404, 19.6894, 54.4611)

Have a look what the booklet for
XYZ(33.6404, 19.6894, 54.4611)
contains.

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Color

**XYZ(33.5816, 19.6978,
54.2567)**

Conversions

Conversions Part 1

Format	Color
Hex	BE49C4
RGB	190, 73, 196
RGB Percent	75%, 29%, 77%
CMY	0.2549, 0.7137, 0.2314
CMYK	0.03, 0.63, 0.00, 0.23
HSL	297°, 51%, 53%
HSV	297°, 63%, 77%
XYZ	33.5816, 19.6978, 54.2567
YIQ	122.0050, 30.2490, 63.0570

Conversions

Conversions Part 2

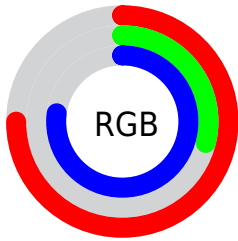
Format	Color
RYB	190, 73, 196
Decimal	12470724
CIELab	51.49, 62.55, -42.19
CIELCh	51, 75.452, 326.000
Yxy	19.6978, 0.3123, 0.1832
Android (android.graphics.Color)	4290660804 (0xFFBE49C4)
YUV	122.0050, 36.4795, 59.6316
Hunter-Lab	44.3822, 57.3924, -41.4138

Details

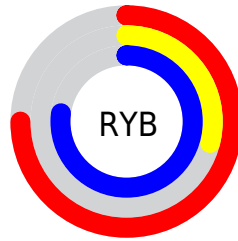
The XYZ color **33.5816, 19.6978, 54.2567** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **24.1676, 41.6237, 13.0647**, and the grayscale version is **18.3791, 19.3362, 21.0572**.

A 20% lighter version of the original color is **64.6468, 42.9321, 97.8080**, and **14.5554, 6.9395, 26.1635** is the 20% darker color. If you saturate the color by 10%, you get **32.2531, 17.3935, 53.8822**, and if you desaturate by 10%, it is **35.3188, 22.8160, 54.7673**.

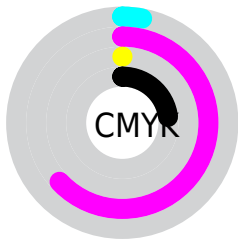
Distribution



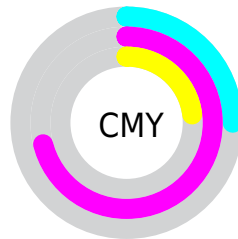
- Red (75%)
- Green (29%)
- Blue (77%)



- Red (75%)
- Yellow (29%)
- Blue (77%)



- Cyan (3%)
- Magenta (63%)
- Yellow (0%)
- Black (23%)





- Cyan (25%)
- Magenta (71%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5816, 19.6978, 54.2567 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 33.5816, 19.6978, 54.2567 by changing the saturation by 10% instead.


 33.5816, 19.6978,
54.2567


 33.5816, 19.6978,
54.2567


309.8812,
250.2744, 420.2904

 22.7337, 12.1756,
38.4124


 64.6311, 42.9099,
97.9112


 14.5166, 6.8634,
25.9986


 85.5635, 59.3686,
126.5585


 8.5650, 3.3768,
16.5968


 110.5880, 79.5749,
160.3105

 4.5133, 1.3315,
9.7885

 140.0701,
103.9132, 199.5858

 1.9965, 0.1654,
5.1552

 174.3751,
132.7680, 244.8029

 0.6320, 0.0000,
2.2783

213.8684,

 0.0000, 0.0000,

166.5235, 296.3803

0.7190

258.9153,
205.5641, 354.7366

■ 0.0000, 0.0000,
0.0000

■ 33.5816, 19.6978,
54.2567

■ 33.5816, 19.6978,
54.2567

■ 32.2531, 17.3935,
53.8822

■ 35.3188, 22.8160,
54.7673

■ 31.2914, 15.8212,
53.6294

■ 37.4971, 26.8145,
55.4243

■ 30.6499, 14.8868,
53.4829

■ 40.1478, 31.7557,
56.2383

■ 30.3208, 14.4799,
53.4217

■ 43.2992, 37.6958,
57.2188

■ 46.9771, 44.6865,
58.3743

■ 51.2055, 52.7760,
59.7128

■ 56.0070, 62.0093,
61.2420

■ 61.4030, 72.4293,
62.9688

■ 67.4137, 84.0763,
64.9001

Harmonies

Analogous

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



25.8616, 19.6978, 85.0405



33.5816, 19.6978, 54.2567



37.3376, 19.6978, 24.4910

Triad

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



33.5816, 19.6978, 54.2567



19.7567, 19.6978, 0.9448



8.4443, 19.6978, 45.4270

Complementary

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



33.5816, 19.6978, 54.2567



24.1676, 41.6237, 13.0647

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.



7.6260, 19.6978, 18.6673



33.5816, 19.6978, 54.2567



13.0348, 19.6978, 1.5579

Square

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



33.5816, 19.6978, 54.2567



28.1063, 19.6978, 2.1213



9.0561, 19.6978, 5.5549



11.7007, 19.6978, 77.9571

Rectangle

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



33.5816, 19.6978, 54.2567



36.5059, 19.6978, 11.8808



9.0561, 19.6978, 5.5549



7.9203, 19.6978, 35.1248

Sweetspot

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



33.5823, 19.6987, 54.2571



80.6299, 72.4425, 104.3409



15.5191, 11.0166, 53.5333



16.8620, 14.7544, 22.2091



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.



33.5823, 19.6987, 54.2571



57.7604, 30.3922, 97.4297



29.9299, 18.4144, 27.0409



10.4472, 10.2217, 12.7072



19.5041, 9.3151, 34.3266



0.8579, 0.4103, 1.4839

Inverse Universe

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



26.5594, 17.0662, 9.2922



44.2645, 25.3807, 8.8829



26.4077, 42.4646, 27.3488



10.0927, 10.0857, 10.5785



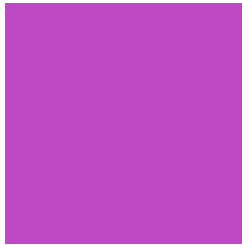
14.6704, 7.5579, 0.9106



0.6409, 0.3294, 0.0762

Previews

White Background



This preview shows how the XYZ color 33.5816, 19.6978, 54.2567 looks on a white background.

Color Contrast Check

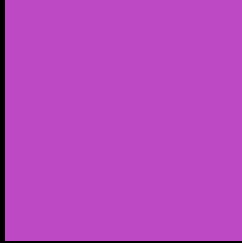
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5816, 19.6978, 54.2567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

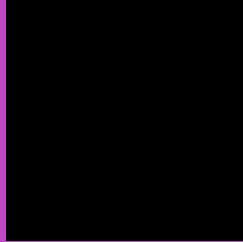
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5816, 19.6978, 54.2567

Background



This preview shows how black text looks on a background with the XYZ color 33.5816, 19.6978, 54.2567.



This preview shows how white text looks on a background with the XYZ color 33.5816, 19.6978,

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

33.5816, 19.6978, 54.2567

Protanopia

23.5930, 20.1557, 84.3083

Deuteranopia

20.5737, 20.0721, 50.3669



Tritanopia

25.7061, 19.5689, 16.3322

Trichromacy



Original Color

33.5816, 19.6978, 54.2567



Protanomaly

23.5501, 17.6552, 71.9786



Deuteranomaly

23.3576, 18.4539, 51.6211



Tritanomaly

27.8448, 19.2437, 26.6729

Monochromacy



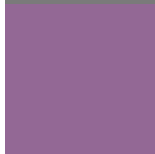
Original Color

33.5816, 19.6978, 54.2567



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

22.4078, 18.2736, 30.7799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5816, 19.6978, 54.2567 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(190, 73, 196)` looks like.

```
.text, #text, p{  
    color:rgb(190, 73, 196)  
}
```

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(190, 73, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 73, 196) }
```

Border

The CSS property to change the border of an element to XYZ 33.5816, 19.6978, 54.2567 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(190, 73, 196) }
```


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

```
.border{ border-color:rgb(190, 73, 196) }
```

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

Here you see how a box with a 4 pixel rgb(190, 73, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 73, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 73, 196);  
box-shadow:4px 4px 4px 4px rgb(190, 73,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5816, 19.6978, 54.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 73, 196) }
```

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

```
.background{ background-color: rgb(190, 73,  
196) }
```

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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