

Converting Colors

XYZ(33.1570, 17.5079, 59.4337)

Have a look what the booklet for
XYZ(33.1570, 17.5079, 59.4337)
contains.

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Color

**XYZ(33.1463, 17.5078,
59.3899)**

Conversions

Conversions Part 1

Format	Color
Hex	BD32CD
RGB	189, 50, 205
RGB Percent	74%, 20%, 80%
CMY	0.2588, 0.8039, 0.1961
CMYK	0.08, 0.76, 0.00, 0.20
HSL	294°, 61%, 50%
HSV	294°, 76%, 80%
XYZ	33.1463, 17.5078, 59.3899
YIQ	109.2310, 33.0890, 77.6730

Conversions

Conversions Part 2

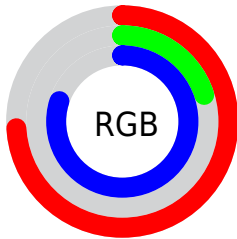
Format	Color
R_{YB}	189, 50, 205
Decimal	12399309
CIE _{Lab}	48.89, 72.23, -51.53
CIE _{LCh}	49, 88.722, 324.496
Yxy	17.5078, 0.3012, 0.1591
Android (android.graphics.Color)	4290589389 (0xFFBD32CD)
YUV	109.2310, 47.2141, 69.9574
Hunter-Lab	41.8423, 68.1786, -54.8651

Details

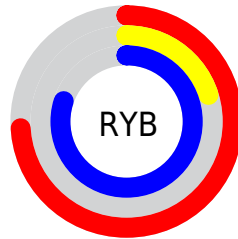
The XYZ color **33.1463, 17.5078, 59.3899** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **24.6544, 45.0516, 10.4147**, and the grayscale version is **14.4660, 15.2194, 16.5739**.

A 20% lighter version of the original color is **62.8014, 38.7286, 98.7731**, and **14.8651, 7.0273, 29.4271** is the 20% darker color. If you saturate the color by 10%, you get **31.9369, 15.8619, 59.1362**, and if you desaturate by 10%, it is **34.7569, 19.9434, 59.7754**.

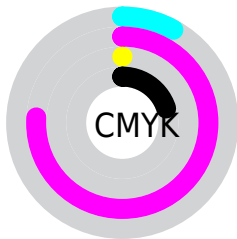
Distribution



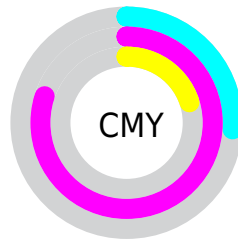
- Red (74%)
- Green (20%)
- Blue (80%)



- Red (74%)
- Yellow (20%)
- Blue (80%)



- Cyan (8%)
- Magenta (76%)
- Yellow (0%)
- Black (20%)





- Cyan (26%)
- Magenta (80%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1463, 17.5078, 59.3899 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 33.1463, 17.5078, 59.3899 by changing the saturation by 10% instead.


 33.1463, 17.5078,
59.3899

 33.1463, 17.5078,
59.3899

307.9618,
238.0819, 440.0873


 22.3983, 10.5972,
42.5050


 63.9570, 39.1968,
105.4788


 14.2681, 5.7967,
29.1684


 84.7505, 54.7440,
135.5199


 8.3903, 2.7218,
18.9616


 109.6231, 73.9389,
170.7835

 4.3996, 0.9883,
11.4660

 138.9403, 97.1658,
211.6881

 1.9306, 0.0000,
6.2631

 173.0674,
124.8092, 258.6522

 0.5945, 0.0000,
2.9343

212.3698,

 0.0000, 0.0000,

157.2534, 312.0944

1.0612

257.2128,
194.8828, 372.4333

■ 0.0000, 0.0000,
0.0000

■ 33.1463, 17.5078,
59.3899

■ 33.1463, 17.5078,
59.3899

■ 31.9369, 15.8619,
59.1362

■ 34.7569, 19.9434,
59.7754

■ 31.0693, 14.8890,
58.9941

■ 36.8131, 23.2593,
60.3070

■ 30.7483, 14.5784,
58.9511

■ 39.3555, 27.5363,
60.9986

■ 42.4198, 32.8454,
61.8618

■ 46.0380, 39.2509,
62.9075

■ 50.2398, 46.8119,
64.1455

■ 55.0525, 55.5832,
65.5849

■ 60.5019, 65.6161,
67.2342

■ 66.6121, 76.9589,
69.1015

Harmonies

Analogous

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



24.1076, 17.5078, 97.2704



33.1463, 17.5078, 59.3899



37.9023, 17.5078, 23.7515

Triad

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



33.1463, 17.5078, 59.3899



18.2060, 17.5078, 0.0000



5.9903, 17.5078, 44.7264

Complementary

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



33.1463, 17.5078, 59.3899



24.6544, 45.0516, 10.4147

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.



5.3317, 17.5078, 15.0361



33.1463, 17.5078, 59.3899



10.9007, 17.5078, 0.2492

Square

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



33.1463, 17.5078, 59.3899



27.6346, 17.5078, 0.8441



6.7921, 17.5078, 2.9931



9.0346, 17.5078, 84.9407

Rectangle

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



33.1463, 17.5078, 59.3899



37.1608, 17.5078, 9.8154



6.7921, 17.5078, 2.9931



5.5361, 17.5078, 32.8172

Sweetspot

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



33.1470, 17.5086, 59.3903



76.9167, 66.9878, 103.4837



14.4077, 9.2311, 58.7802



15.9588, 13.4364, 22.0023



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.



33.1470, 17.5086, 59.3903



51.3257, 24.8276, 96.6948



31.4740, 17.3234, 28.7105



11.5690, 11.3426, 14.1500



19.1890, 9.0999, 36.7013



1.0236, 0.4868, 1.8950

Inverse Universe

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



27.3013, 15.6543, 6.7377



42.0565, 22.0753, 4.7234



25.9301, 45.4543, 21.9939



11.2586, 11.2322, 11.8964



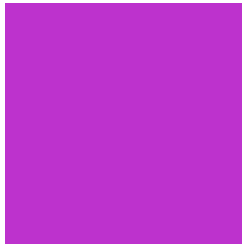
15.7756, 8.1208, 1.2708



0.8302, 0.4255, 0.1517

Previews

White Background



This preview shows how the XYZ color 33.1463, 17.5078, 59.3899 looks on a white background.

Color Contrast Check

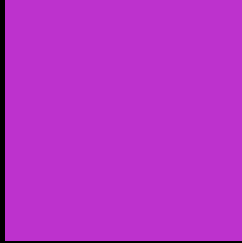
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.1463, 17.5078, 59.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

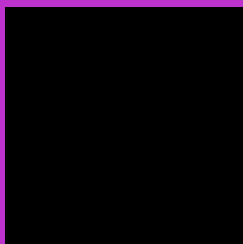
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1463, 17.5078, 59.3899

Background



This preview shows how black text looks on a background with the XYZ color 33.1463, 17.5078, 59.3899.



This preview shows how white text looks on a background with the XYZ color 33.1463, 17.5078,

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

33.1463, 17.5078, 59.3899

Protanopia

21.4851, 18.0422, 84.0115

Deuteranopia

18.2789, 17.7414, 53.5000



Tritanopia

23.8033, 17.5753, 13.4471

Trichromacy



Original Color

33.1463, 17.5078, 59.3899



Protanomaly

19.9755, 14.1236, 74.3463



Deuteranomaly

20.5378, 15.2209, 55.2816



Tritanomaly

26.0844, 16.7702, 25.1547

Monochromacy



Original Color

33.1463, 17.5078, 59.3899



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

19.0050, 14.3963, 28.1627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1463, 17.5078, 59.3899 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(189, 50, 205)` looks like.

```
.text, #text, p{  
    color:rgb(189, 50, 205)  
}
```

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(189, 50, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 50, 205) }
```

Border

The CSS property to change the border of an element to XYZ 33.1463, 17.5078, 59.3899 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(189, 50, 205) }
```


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

```
.border{ border-color:rgb(189, 50, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 50, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 50, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 50, 205);  
box-shadow:4px 4px 4px 4px rgb(189, 50,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1463, 17.5078, 59.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 50, 205) }
```

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

```
.background{ background-color: rgb(189, 50,  
205) }
```

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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