

Converting Colors

XYZ(33.7124, 18.5609, 49.1542)

Have a look what the booklet for
XYZ(33.7124, 18.5609, 49.1542)
contains.

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Color

**XYZ(33.8789, 18.6627,
49.3936)**

Conversions

Conversions Part 1

Format	Color
Hex	C63ABC
RGB	198, 58, 188
RGB Percent	78%, 23%, 74%
CMY	0.2235, 0.7725, 0.2627
CMYK	0.00, 0.71, 0.05, 0.22
HSL	304°, 55%, 50%
HSV	304°, 71%, 78%
XYZ	33.8789, 18.6627, 49.3936
YIQ	114.6800, 41.7100, 70.1100

Conversions

Conversions Part 2

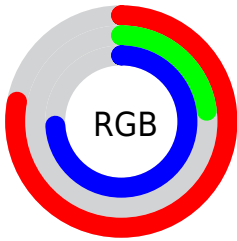
Format	Color
R_{YB}	198, 58, 188
Decimal	12991164
CIE _{Lab}	50.29, 68.78, -39.38
CIE _{LCh}	50, 79.256, 330.207
Yxy	18.6627, 0.3324, 0.1831
Android (android.graphics.Color)	4291181244 (0xFFC63ABC)
YUV	114.6800, 36.1468, 73.0716
Hunter-Lab	43.2003, 64.3840, -37.5496

Details

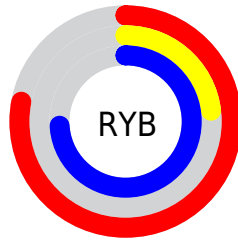
The XYZ color **33.8789, 18.6627, 49.3936** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted rose. A complement of this color would be **22.9833, 41.7060, 12.3087**, and the grayscale version is **16.0854, 16.9231, 18.4292**.

A 20% lighter version of the original color is **64.0827, 40.5752, 90.8405**, and **15.1183, 7.2967, 23.1658** is the 20% darker color. If you saturate the color by 10%, you get **32.9142, 16.9756, 48.3235**, and if you desaturate by 10%, it is **35.2302, 21.1195, 50.6002**.

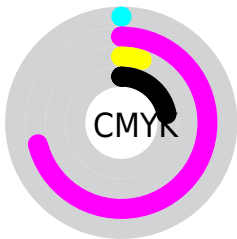
Distribution



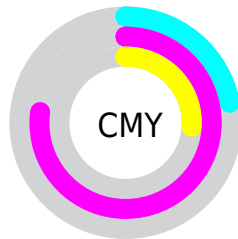
- Red (78%)
- Green (23%)
- Blue (74%)



- Red (78%)
- Yellow (23%)
- Blue (74%)



- Cyan (0%)
- Magenta (71%)
- Yellow (5%)
- Black (22%)





- Cyan (22%)
- Magenta (77%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8789, 18.6627, 49.3936 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 33.8789, 18.6627, 49.3936 by changing the saturation by 10% instead.


 33.8789, 18.6627,
49.3936


 33.8789, 18.6627,
49.3936

311.1872,
244.5803, 400.9567


 22.9630, 11.4268,
34.5640


 65.0908, 41.1634,
90.6628


 14.6868, 6.3547,
23.0464


 86.1176, 57.1969,
117.9395


 8.6847, 3.0619,
14.4221


 111.2454, 76.9318,
150.2022

 4.5916, 1.1641,
8.2727

 140.8396,
100.7525, 187.8697

 2.0419, 0.0321,
4.1797

 175.2655,
129.0432, 231.3603

 0.6574, 0.0000,
1.7244

214.8885,

 0.0000, 0.0000,

162.1885, 281.0927

0.3774

260.0739,
200.5728, 337.4853

■ 0.0000, 0.0000,
0.0000

■ 33.8789, 18.6627,
49.3936

■ 33.8789, 18.6627,
49.3936

■ 32.9142, 16.9756,
48.3235

■ 35.2302, 21.1195,
50.6002

■ 32.2871, 15.9619,
47.3731

■ 37.0052, 24.4220,
51.9554

■ 31.9258, 15.4606,
46.5701

■ 39.2393, 28.6402,
53.4709

■ 41.9634, 33.8359,
55.1573

■ 45.2058, 40.0658,
57.0238

■ 48.9925, 47.3819,
59.0793

■ 53.3480, 55.8331,
61.3318

■ 58.2951, 65.4650,
63.7891

■ 63.8553, 76.3209,
66.4583

Harmonies

Analogous

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



26.2493, 18.6627, 83.1217



33.8789, 18.6627, 49.3936



36.9717, 18.6627, 20.1685

Triad

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



33.8789, 18.6627, 49.3936



17.6852, 18.6627, 0.5210



7.7955, 18.6627, 49.8724

Complementary

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



33.8789, 18.6627, 49.3936



22.9833, 41.7060, 12.3087

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.



6.6934, 18.6627, 20.4733



33.8789, 18.6627, 49.3936



11.3001, 18.6627, 1.3075

Square

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



33.8789, 18.6627, 49.3936



26.1298, 18.6627, 1.2831



7.7647, 18.6627, 5.7219



11.3685, 18.6627, 83.5122

Rectangle

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



33.8789, 18.6627, 49.3936



35.5093, 18.6627, 8.9371



7.7647, 18.6627, 5.7219



7.1791, 18.6627, 38.6986

Sweetspot

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



33.8796, 18.6636, 49.3940



79.6718, 70.2195, 100.7656



14.0447, 8.3094, 54.2905



16.6917, 14.3344, 21.3638



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.



33.8796, 18.6636, 49.3940



57.5975, 28.9248, 84.6088



28.1125, 16.3567, 19.0248



11.0491, 10.8030, 13.2420



20.7752, 10.0597, 30.3559



0.9937, 0.4803, 1.4902

Inverse Universe

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



33.8796, 18.6636, 49.3940



57.5975, 28.9248, 84.6088



26.4793, 43.1043, 30.7182



11.0491, 10.8030, 13.2420



20.7752, 10.0597, 30.3559



0.9937, 0.4803, 1.4902

Previews

White Background



This preview shows how the XYZ color 33.8789, 18.6627, 49.3936 looks on a white background.

Color Contrast Check

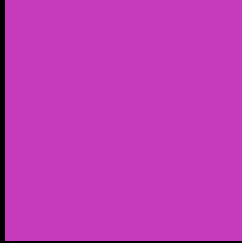
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8789, 18.6627, 49.3936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

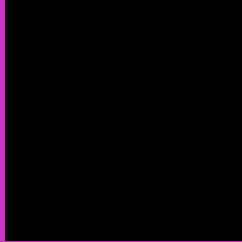
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8789, 18.6627, 49.3936

Background



This preview shows how black text looks on a background with the XYZ color 33.8789, 18.6627, 49.3936.



This preview shows how white text looks on a background with the XYZ color 33.8789, 18.6627,

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

33.8789, 18.6627, 49.3936

Protanopia

22.8157, 19.1990, 85.7223

Deuteranopia

19.4692, 19.0673, 45.3020



Tritanopia

26.3770, 18.6623, 13.0384

Trichromacy



Original Color

33.8789, 18.6627, 49.3936



Protanomaly

21.8931, 15.8380, 71.0104



Deuteranomaly

22.2339, 16.8323, 46.3331



Tritanomaly

28.4251, 18.2402, 22.7914

Monochromacy



Original Color

33.8789, 18.6627, 49.3936



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

20.5622, 15.9781, 27.5915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8789, 18.6627, 49.3936 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(198, 58, 188)` looks like.

```
.text, #text, p{  
    color:rgb(198, 58, 188)  
}
```

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(198, 58, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 58, 188) }
```

Border

The CSS property to change the border of an element to XYZ 33.8789, 18.6627, 49.3936 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(198, 58, 188) }
```


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

```
.border{ border-color:rgb(198, 58, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 58, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 58, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 58, 188);  
box-shadow:4px 4px 4px 4px rgb(198, 58,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8789, 18.6627, 49.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 58, 188) }
```

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

```
.background{ background-color: rgb(198, 58,  
188) }
```

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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