

Converting Colors

XYZ(33.7648, 17.1201, 49.7209)

Have a look what the booklet for
XYZ(33.7648, 17.1201, 49.7209)
contains.

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Color

**XYZ(33.7892, 17.1247,
49.6686)**

Conversions

Conversions Part 1

Format	Color
Hex	C920BD
RGB	201, 32, 189
RGB Percent	79%, 13%, 74%
CMY	0.2118, 0.8745, 0.2588
CMYK	0.00, 0.84, 0.06, 0.21
HSL	304°, 73%, 46%
HSV	304°, 84%, 79%
XYZ	33.7892, 17.1247, 49.6686
YIQ	100.4290, 50.3270, 84.6550

Conversions

Conversions Part 2

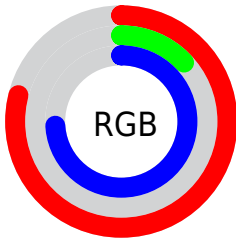
Format	Color
R_{YB}	201, 32, 189
Decimal	13181117
CIE _{Lab}	48.42, 76.54, -42.90
CIE _{LCh}	48, 87.743, 330.733
Yxy	17.1247, 0.3359, 0.1703
Android (android.graphics.Color)	4291371197 (0xFFC920BD)
YUV	100.4290, 43.6655, 88.2008
Hunter-Lab	41.3820, 73.3302, -42.1952

Details

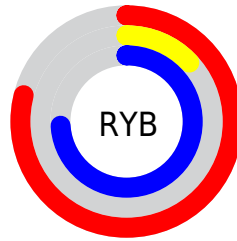
The XYZ color **33.7892, 17.1247, 49.6686** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted rose. A complement of this color would be **21.9378, 42.2630, 9.3856**, and the grayscale version is **12.1074, 12.7379, 13.8716**.

A 20% lighter version of the original color is **62.5282, 37.2212, 91.0776**, and **15.5285, 7.5001, 23.5509** is the 20% darker color. If you saturate the color by 10%, you get **33.2492, 16.2909, 48.7280**, and if you desaturate by 10%, it is **34.6618, 18.6202, 50.7278**.

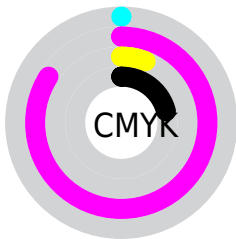
Distribution



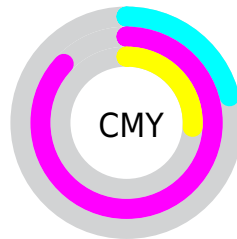
- Red (79%)
- Green (13%)
- Blue (74%)



- Red (79%)
- Yellow (13%)
- Blue (74%)



- Cyan (0%)
- Magenta (84%)
- Yellow (6%)
- Black (21%)





- Cyan (21%)
- Magenta (87%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7892, 17.1247, 49.6686 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 33.7892, 17.1247, 49.6686 by changing the saturation by 10% instead.


 33.7892, 17.1247,
49.6686


 33.7892, 17.1247,
49.6686

310.7936,
235.8900, 402.0664

 22.8938, 10.3234,
34.7808

 64.9522, 38.5401,
91.0749


 14.6354, 5.6139,
23.2119


 85.9505, 53.9229,
118.4305


 8.6485, 2.6118,
14.5433


 111.0472, 72.9351,
150.7791

 4.5679, 0.9326,
8.3564

 140.6076, 95.9611,
188.5393

 2.0282, 0.0000,
4.2328

 174.9971,
123.3851, 232.1296

 0.6497, 0.0000,
1.7539

 214.5810,

 0.0000, 0.0000,

155.5917, 281.9685

0.3973

259.7247,
192.9652, 338.4746

■ 0.0000, 0.0000,
0.0000

■ 33.7892, 17.1247,
49.6686

■ 33.7892, 17.1247,
49.6686

■ 33.2492, 16.2909,
48.7280

■ 34.6618, 18.6202,
50.7278

■ 33.0281, 15.9938,
48.2069

■ 35.9172, 20.8794,
51.9221

■ 37.5992, 23.9893,
53.2662

■ 39.7451, 28.0245,
54.7724

■ 42.3882, 33.0517,
56.4521

■ 45.5587, 39.1311,
58.3151

■ 49.2843, 46.3184,
60.3708

■ 53.5910, 54.6653,
62.6279

■ 58.5029, 64.2201,
65.0944

Harmonies

Analogous

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



25.5042, 17.1247, 88.2649



33.7892, 17.1247, 49.6686



37.0947, 17.1247, 18.0860

Triad

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



33.7892, 17.1247, 49.6686



16.0798, 17.1247, 0.0000



6.2896, 17.1247, 51.5749

Complementary

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



33.7892, 17.1247, 49.6686



21.9378, 42.2630, 9.3856

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.



5.2091, 17.1247, 19.2172



33.7892, 17.1247, 49.6686



9.5958, 17.1247, 0.5633

Square

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



33.7892, 17.1247, 49.6686



25.0456, 17.1247, 0.4848



6.1854, 17.1247, 4.3114



9.8383, 17.1247, 89.8690

Rectangle

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



33.7892, 17.1247, 49.6686



35.3930, 17.1247, 6.9688



6.1854, 17.1247, 4.3114



5.6901, 17.1247, 39.0742

Sweetspot

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



33.7899, 17.1255, 49.6689



77.2549, 65.5626, 99.4147



12.0676, 5.7705, 55.7367



16.1081, 13.2121, 21.0309



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.



33.7899, 17.1255, 49.6689



56.5102, 27.3681, 82.3417



27.1667, 14.4763, 14.7921



11.0493, 10.8031, 13.2431



20.7809, 10.0619, 30.3856



0.9940, 0.4804, 1.4913

Inverse Universe

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



33.7899, 17.1255, 49.6689



56.5102, 27.3681, 82.3417



25.3643, 43.6335, 27.4291



11.0493, 10.8031, 13.2431



20.7809, 10.0619, 30.3856



0.9940, 0.4804, 1.4913

Previews

White Background



This preview shows how the XYZ color 33.7892, 17.1247, 49.6686 looks on a white background.

Color Contrast Check

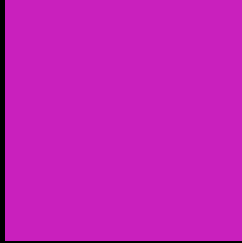
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7892, 17.1247, 49.6686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

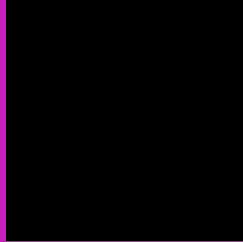
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.7892, 17.1247, 49.6686

Background



This preview shows how black text looks on a background with the XYZ color 33.7892, 17.1247, 49.6686.



This preview shows how white text looks on a background with the XYZ color 33.7892, 17.1247,

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

33.7892, 17.1247, 49.6686

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

17.9374, 17.5900, 44.5693



Tritanopia

25.6314, 17.1792, 10.3525

Trichromacy



Original Color

33.7892, 17.1247, 49.6686



Protanomaly

18.7592, 12.7703, 69.1863



Deuteranomaly

20.4444, 14.3864, 45.9553



Tritanomaly

27.4836, 16.3197, 20.1138

Monochromacy



Original Color

33.7892, 17.1247, 49.6686



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

16.9975, 12.0165, 23.2533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7892, 17.1247, 49.6686 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(201, 32, 189)` looks like.

```
.text, #text, p{  
    color:rgb(201, 32, 189)  
}
```

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(201, 32, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 32, 189) }
```

Border

The CSS property to change the border of an element to XYZ 33.7892, 17.1247, 49.6686 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(201, 32, 189) }
```


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

```
.border{ border-color:rgb(201, 32, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 32, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 32, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 32, 189); box-shadow:4px 4px 4px 4px rgb(201, 32, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7892, 17.1247, 49.6686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 32, 189) }
```

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

```
.background{ background-color: rgb(201, 32,  
189) }
```

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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