

Converting Colors

XYZ(33.2707, 16.8234, 54.9198)

Have a look what the booklet for
XYZ(33.2707, 16.8234, 54.9198)
contains.

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Color

**XYZ(33.2707, 16.8234,
54.9198)**

Conversions

Conversions Part 1

Format	Color
Hex	C322C6
RGB	195, 34, 198
RGB Percent	76%, 13%, 78%
CMY	0.2353, 0.8666, 0.2235
CMYK	0.02, 0.83, 0.00, 0.22
HSL	299°, 71%, 45%
HSV	299°, 83%, 78%
XYZ	33.2707, 16.8234, 54.9198
YIQ	100.8350, 43.3120, 85.1360

Conversions

Conversions Part 2

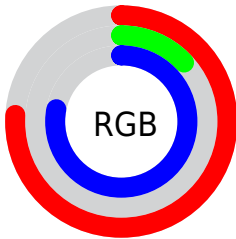
Format	Color
R_{YB}	195, 34, 198
Decimal	12788422
CIE _{Lab}	48.04, 76.36, -48.80
CIE _{LCh}	48, 90.619, 327.421
Yxy	16.8234, 0.3168, 0.1602
Android (android.graphics.Color)	4290978502 (0xFFC322C6)
YUV	100.8350, 47.9023, 82.5827
Hunter-Lab	41.0163, 73.0130, -50.6763

Details

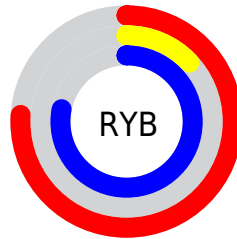
The XYZ color **33.2707, 16.8234, 54.9198** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **21.2464, 40.8974, 8.2884**, and the grayscale version is **12.2016, 12.8370, 13.9795**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **15.2745, 7.3015, 26.5909** is the 20% darker color. If you saturate the color by 10%, you get **32.7655, 15.9511, 54.7783**, and if you desaturate by 10%, it is **34.1031, 18.3486, 55.1705**.

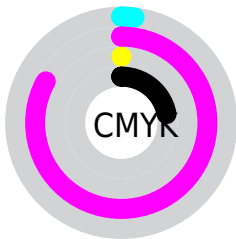
Distribution



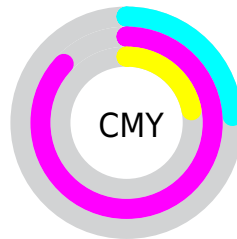
- Red (76%)
- Green (13%)
- Blue (78%)



- Red (76%)
- Yellow (13%)
- Blue (78%)



- Cyan (2%)
- Magenta (83%)
- Yellow (0%)
- Black (22%)




- Cyan (24%)
- Magenta (87%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2707, 16.8234, 54.9198 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 33.2707, 16.8234, 54.9198 by changing the saturation by 10% instead.


 33.2707, 16.8234,
54.9198


 33.2707, 16.8234,
54.9198


308.5112,
234.1526, 422.8812


 22.4941, 10.1087,
38.9393


 64.1498, 38.0219,
98.8934


 14.3391, 5.4711,
26.4051


 84.9830, 53.2744,
127.7237


 8.4401, 2.5262,
16.8984


 109.8991, 72.1417,
161.6742

 4.4320, 0.8897,
10.0009

 139.2636, 95.0081,
201.1637

 1.9493, 0.0000,
5.2940

 173.4416,
122.2580, 246.6106

 0.6053, 0.0000,
2.3590

 212.7987,

 0.0000, 0.0000,

154.2757, 298.4335

0.7640

257.7001,
191.4458, 357.0508

■ 0.0000, 0.0000,
0.0000

■ 33.2707, 16.8234,
54.9198

■ 33.2707, 16.8234,
54.9198

■ 32.7655, 15.9511,
54.7783

■ 34.1031, 18.3486,
55.1705

■ 32.5386, 15.5968,
54.7219

■ 35.3096, 20.6220,
55.5458

■ 36.9314, 23.7258,
56.0594

■ 39.0039, 27.7309,
56.7232

■ 41.5589, 32.7003,
57.5478

■ 44.6250, 38.6918,
58.5426

■ 48.2289, 45.7584,
59.7167

■ 52.3951, 53.9494,
61.0781

■ 57.1469, 63.3112,
62.6347

Harmonies

Analogous

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



24.3946, 16.8234, 94.6062



33.2707, 16.8234, 54.9198



37.4472, 16.8234, 20.4236

Triad

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



33.2707, 16.8234, 54.9198



16.7094, 16.8234, 0.0000



5.6888, 16.8234, 47.9289

Complementary

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



33.2707, 16.8234, 54.9198



21.2464, 40.8974, 8.2884

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.



4.8530, 16.8234, 16.3620



33.2707, 16.8234, 54.9198



9.7788, 16.8234, 0.1667

Square

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



33.2707, 16.8234, 54.9198



26.0579, 16.8234, 0.4518



6.0521, 16.8234, 3.1833



8.9207, 16.8234, 88.6697

Rectangle

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



33.2707, 16.8234, 54.9198



36.2152, 16.8234, 7.8608



6.0521, 16.8234, 3.1833



5.1791, 16.8234, 35.4109

Sweetspot

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



33.2714, 16.8242, 54.9201



77.5477, 65.6303, 103.1884



11.5944, 5.9001, 53.9541



16.1794, 13.2285, 21.9506



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.



33.2714, 16.8242, 54.9201



57.6393, 27.6701, 96.9107



27.3414, 14.5426, 19.6073



11.0632, 10.8064, 13.4202



21.1690, 10.1473, 35.5872



1.0086, 0.4837, 1.6853

Inverse Universe

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



24.1953, 13.2842, 3.0400



41.3069, 21.3311, 2.1460



23.6982, 41.8662, 21.7383



10.6416, 10.6400, 11.0960



15.1616, 7.8142, 0.7949



0.7207, 0.3711, 0.0524

Previews

White Background



This preview shows how the XYZ color 33.2707, 16.8234, 54.9198 looks on a white background.

Color Contrast Check

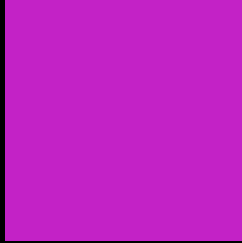
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2707, 16.8234, 54.9198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

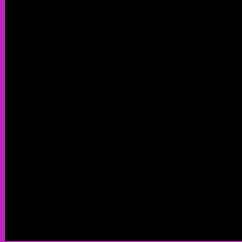
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.2707, 16.8234, 54.9198

Background



This preview shows how black text looks on a background with the XYZ color 33.2707, 16.8234, 54.9198.



This preview shows how white text looks on a background with the XYZ color 33.2707, 16.8234,

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

33.2707, 16.8234, 54.9198

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.6989, 17.1889, 49.3987



Tritanopia

24.3072, 16.8064, 11.1954

Trichromacy



Original Color

33.2707, 16.8234, 54.9198



Protanomaly

18.8766, 12.8000, 70.5830



Deuteranomaly

19.9342, 14.1302, 50.9670



Tritanomaly

26.2801, 15.9039, 22.1067

Monochromacy



Original Color

33.2707, 16.8234, 54.9198



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

17.0895, 12.2362, 24.7537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2707, 16.8234, 54.9198 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(195, 34, 198)` looks like.

```
.text, #text, p{  
  color:rgb(195, 34, 198)  
}
```

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(195, 34, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 34, 198) }
```

Border

The CSS property to change the border of an element to XYZ 33.2707, 16.8234, 54.9198 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(195, 34, 198) }
```


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

```
.border{ border-color:rgb(195, 34, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 34, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 34, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 34, 198);  
box-shadow:4px 4px 4px 4px rgb(195, 34,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2707, 16.8234, 54.9198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 34, 198) }
```

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

```
.background{ background-color: rgb(195, 34,  
198) }
```

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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