

Converting Colors

XYZ(33.6678, 16.1725, 55.0656)

Have a look what the booklet for
XYZ(33.6678, 16.1725, 55.0656)
contains.

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Color

**XYZ(33.4817, 16.0830,
54.7657)**

Conversions

Conversions Part 1

Format	Color
Hex	C600C6
RGB	198, 0, 198
RGB Percent	78%, 0%, 78%
CMY	0.2235, 0.9999, 0.2235
CMYK	0.00, 1.00, 0.00, 0.22
HSL	300°, 100%, 39%
HSV	300°, 100%, 78%
XYZ	33.4817, 16.0830, 54.7657
YIQ	81.7740, 54.4500, 103.5540

Conversions

Conversions Part 2

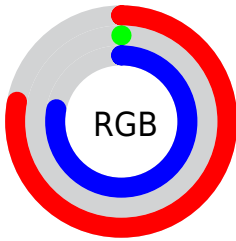
Format	Color
R_{YB}	198, 0, 198
Decimal	12976326
CIE _{Lab}	47.08, 81.21, -50.29
CIE _{LCh}	47, 95.523, 328.232
Yxy	16.0830, 0.3209, 0.1542
Android (android.graphics.Color)	4291166406 (0xFFC600C6)
YUV	81.7740, 57.2994, 101.9302
Hunter-Lab	40.1036, 78.8447, -52.8942

Details

The XYZ color **33.4817, 16.0830, 54.7657** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **20.1948, 40.3889, 6.7323**, and the grayscale version is **7.8599, 8.2692, 9.0052**.

A 20% lighter version of the original color is **63.0311, 35.9622, 98.2270**, and **15.6054, 7.4721, 26.6064** is the 20% darker color. If you saturate the color by 10%, you get **33.4821, 16.0831, 54.7659**, and if you desaturate by 10%, it is **33.7292, 16.5774, 54.8483**.

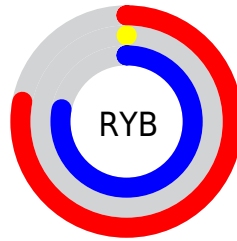
Distribution



Red (78%)

Green (0%)

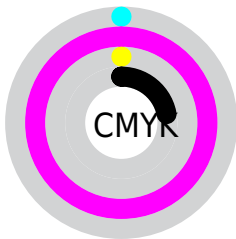
Blue (78%)



Red (78%)

Yellow (0%)

Blue (78%)

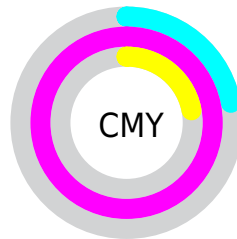


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4817, 16.0830, 54.7657 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 33.4817, 16.0830, 54.7657 by changing the saturation by 10% instead.

 33.4817, 16.0830,
54.7657


 33.4817, 16.0830,
54.7657

309.4415,
229.8310, 422.2801

 22.6567, 9.5829,
38.8168

 64.4765, 36.7422,
98.6653


 14.4595, 5.1233,
26.3105


 85.3771, 51.6702,
127.4531

 8.5248, 2.3198,
16.8282


 110.3668, 70.1762,
161.3576

 4.4872, 0.7842,
9.9514

 139.8112, 92.6446,
200.7974

 1.9813, 0.0000,
5.2616

 174.0754,
119.4599, 246.1910

 0.6234, 0.0000,
2.3401

 213.5250,

 0.0000, 0.0000,

151.0065, 297.9570

0.7536

258.5253,
187.6687, 356.5138

■ 0.0000, 0.0000,
0.0000

■ 33.4817, 16.0830,
54.7657

■ 33.4817, 16.0830,
54.7657

■ 33.4821, 16.0831,
54.7659

■ 33.7292, 16.5774,
54.8483

■ 34.2284, 17.5758,
55.0148

■ 35.0682, 19.2553,
55.2947

■ 36.2946, 21.7081,
55.7036

■ 37.9466, 25.0122,
56.2543

■ 40.0586, 29.2361,
56.9583

■ 42.6611, 34.4411,
57.8259

■ 45.7823, 40.6834,
58.8663

■ 49.4481, 48.0151,
60.0883

Harmonies

Analogous

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



24.2442, 16.0830, 97.7293



33.4817, 16.0830, 54.7657



37.7054, 16.0830, 18.9737

Triad

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



33.4817, 16.0830, 54.7657



15.7887, 16.0830, 0.0000



5.0324, 16.0830, 49.6616

Complementary

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



33.4817, 16.0830, 54.7657



20.1948, 40.3889, 6.7323

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.



4.1760, 16.0830, 16.1267



33.4817, 16.0830, 54.7657



8.8617, 16.0830, 0.0000

Square

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



33.4817, 16.0830, 54.7657



25.4336, 16.0830, 0.0000



5.2731, 16.0830, 2.7211



8.2766, 16.0830, 93.3198

Rectangle

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



33.4817, 16.0830, 54.7657



36.2616, 16.0830, 6.6793



5.2731, 16.0830, 2.7211



4.5225, 16.0830, 36.2775

Sweetspot

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



33.4824, 16.0837, 54.7660



75.3100, 60.5201, 102.3198



10.1938, 4.0781, 53.6766



15.6777, 12.0703, 21.7534



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.



33.4824, 16.0837, 54.7660



59.2898, 28.4799, 96.9792



25.5421, 12.9076, 12.9532



11.0832, 10.8166, 13.4212



21.7740, 10.4592, 35.6153



1.0310, 0.4952, 1.6864

Inverse Universe

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



33.4824, 16.0837, 54.7660



59.2898, 28.4799, 96.9792



22.4475, 41.2900, 18.5947



11.0832, 10.8166, 13.4212



21.7740, 10.4592, 35.6153



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 33.4817, 16.0830, 54.7657 looks on a white background.

Color Contrast Check

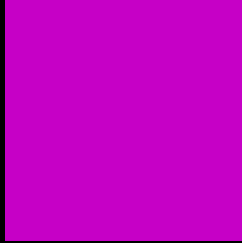
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4817, 16.0830, 54.7657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

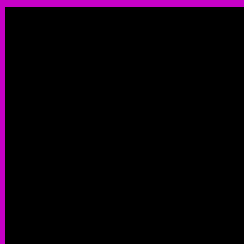
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 33.4817, 16.0830, 54.7657

Background



This preview shows how black text looks on a background with the XYZ color 33.4817, 16.0830, 54.7657.



This preview shows how white text looks on a background with the XYZ color 33.4817, 16.0830,

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

33.4817, 16.0830, 54.7657

Protanopia

20.1414, 16.9781, 78.5595

Deuteranopia

17.2641, 16.8087, 48.7889



Tritanopia

24.5354, 16.5124, 10.0777

Trichromacy



Original Color

33.4817, 16.0830, 54.7657



Protanomaly

17.7809, 10.9253, 68.8818



Deuteranomaly

18.7470, 12.1276, 50.0680



Tritanomaly

26.0775, 14.7090, 20.8667

Monochromacy



Original Color

33.4817, 16.0830, 54.7657



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.1783, 8.1963, 19.9563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4817, 16.0830, 54.7657 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, 0, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 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(198, 0, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 198) }
```

Border

The CSS property to change the border of an element to XYZ 33.4817, 16.0830, 54.7657 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, 0, 198) }
```


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

```
.border{ border-color:rgb(198, 0, 198) }
```

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

Here you see how a box with a 4 pixel rgb(198, 0, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4817, 16.0830, 54.7657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 198) }
```

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

```
.background{ background-color: rgb(198, 0,  
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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