

Converting Colors

XYZ(33.9012, 17.5856, 45.0129)

Have a look what the booklet for
XYZ(33.9012, 17.5856, 45.0129)
contains.

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Color

**XYZ(33.8656, 17.5837,
44.7891)**

Conversions

Conversions Part 1

Format	Color
Hex	CC27B4
RGB	204, 39, 180
RGB Percent	80%, 15%, 71%
CMY	0.2000, 0.8470, 0.2941
CMYK	0.00, 0.81, 0.12, 0.20
HSL	309°, 68%, 48%
HSV	309°, 81%, 80%
XYZ	33.8656, 17.5837, 44.7891
YIQ	104.4090, 53.0790, 78.8310

Conversions

Conversions Part 2

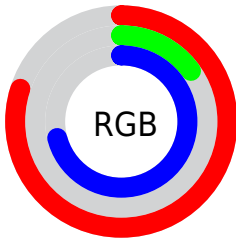
Format	Color
R_{YB}	204, 39, 180
Decimal	13379508
CIE _{Lab}	48.99, 74.35, -36.70
CIE _{LCh}	49, 82.913, 333.732
Yxy	17.5837, 0.3519, 0.1827
Android (android.graphics.Color)	4291569588 (0xFFCC27B4)
YUV	104.4090, 37.2664, 87.3413
Hunter-Lab	41.9329, 70.7764, -33.9754

Details

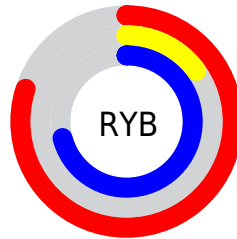
The XYZ color **33.8656, 17.5837, 44.7891** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted rose. A complement of this color would be **23.3277, 43.9767, 11.9632**, and the grayscale version is **13.1624, 13.8479, 15.0804**.

A 20% lighter version of the original color is **61.4319, 37.4193, 83.3417**, and **15.5078, 7.5520, 20.7190** is the 20% darker color. If you saturate the color by 10%, you get **33.0675, 16.4658, 43.0475**, and if you desaturate by 10%, it is **35.0312, 19.4254, 46.6854**.

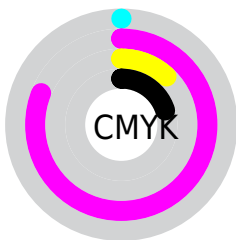
Distribution



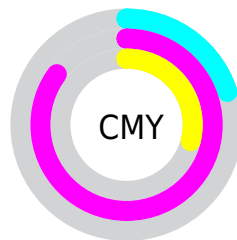
- Red (80%)
- Green (15%)
- Blue (71%)



- Red (80%)
- Yellow (15%)
- Blue (71%)



- Cyan (0%)
- Magenta (81%)
- Yellow (12%)
- Black (20%)





- Cyan (20%)
- Magenta (85%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8656, 17.5837, 44.7891 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 33.8656, 17.5837, 44.7891 by changing the saturation by 10% instead.


 33.8656, 17.5837,
44.7891


 33.8656, 17.5837,
44.7891


311.1288,
238.5140, 382.0539


 22.9528, 10.6515,
30.9496


 65.0703, 39.3267,
83.7189


 14.6791, 5.8330,
20.3023


 86.0929, 54.9063,
109.6464


 8.6794, 2.7438,
12.4287


 111.2161, 74.1371,
140.4402

 4.5881, 0.9995,
6.9103

 140.8052, 97.4036,
176.5189

 2.0399, 0.0000,
3.3285

 175.2257,
125.0901, 218.3011

 0.6562, 0.0000,
1.2647

214.8429,

 0.0000, 0.0000,

157.5811, 266.2053

0.0326

260.0222,
195.2609, 320.6501

■ 0.0000, 0.0000,
0.0000

■ 33.8656, 17.5837,
44.7891

■ 33.8656, 17.5837,
44.7891

■ 33.0675, 16.4658,
43.0475

■ 35.0312, 19.4254,
46.6854

■ 32.5739, 15.9062,
41.5644

■ 36.6130, 22.0896,
48.7524

■ 38.6543, 25.6624,
51.0049

■ 41.1924, 30.2180,
53.4556

■ 44.2607, 35.8235,
56.1156

■ 47.8896, 42.5396,
58.9955

■ 52.1074, 50.4227,
62.1047

■ 56.9404, 59.5252,
65.4522

■ 62.4130, 69.8964,
69.0465

Harmonies

Analogous

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



26.3826, 17.5837, 80.7075



33.8656, 17.5837, 44.7891



36.3267, 17.5837, 16.5106

Triad

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



33.8656, 17.5837, 44.7891



15.7654, 17.5837, 0.1205



7.1595, 17.5837, 53.7740

Complementary

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



33.8656, 17.5837, 44.7891



23.3277, 43.9767, 11.9632

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.



5.8471, 17.5837, 22.0472



33.8656, 17.5837, 44.7891



9.7521, 17.5837, 1.0891

Square

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



33.8656, 17.5837, 44.7891



24.1789, 17.5837, 0.7068



6.6245, 17.5837, 5.8230



10.9675, 17.5837, 88.1433

Rectangle

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



33.8656, 17.5837, 44.7891



34.3122, 17.5837, 6.6288



6.6245, 17.5837, 5.8230



6.4758, 17.5837, 41.8506

Sweetspot

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



33.8662, 17.5846, 44.7894



77.1368, 66.4144, 96.0209



13.5501, 6.8039, 57.7264



16.0480, 13.3599, 20.1847



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.



33.8662, 17.5846, 44.7894



54.1117, 26.5415, 69.3018



27.9044, 15.1999, 13.3951



11.6147, 11.3746, 13.7714



20.5289, 10.0222, 26.3017



1.0787, 0.5249, 1.4603

Inverse Universe

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



33.8662, 17.5846, 44.7894



54.1117, 26.5415, 69.3018



27.4265, 45.6162, 33.5468



11.6147, 11.3746, 13.7714



20.5289, 10.0222, 26.3017



1.0787, 0.5249, 1.4603

Previews

White Background



This preview shows how the XYZ color 33.8656, 17.5837, 44.7891 looks on a white background.

Color Contrast Check

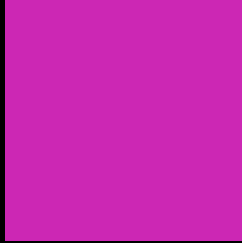
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8656, 17.5837, 44.7891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

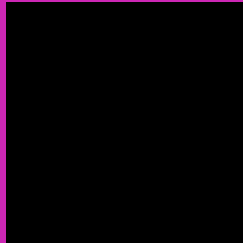
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8656, 17.5837, 44.7891

Background



This preview shows how black text looks on a background with the XYZ color 33.8656, 17.5837, 44.7891.



This preview shows how white text looks on a background with the XYZ color 33.8656, 17.5837,

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

33.8656, 17.5837, 44.7891

Protanopia

21.6333, 18.1015, 84.7918

Deuteranopia

18.3250, 17.8799, 40.5155



Tritanopia

26.7914, 17.6754, 10.1832

Trichromacy



Original Color

33.8656, 17.5837, 44.7891



Protanomaly

18.8067, 13.1734, 67.8812



Deuteranomaly

21.1214, 15.1863, 41.8624



Tritanomaly

28.3921, 16.9806, 18.9207

Monochromacy



Original Color

33.8656, 17.5837, 44.7891



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

17.8487, 12.9787, 23.3942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8656, 17.5837, 44.7891 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(204, 39, 180)` looks like.

```
.text, #text, p{  
    color:rgb(204, 39, 180)  
}
```

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(204, 39, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 39, 180) }
```

Border

The CSS property to change the border of an element to XYZ 33.8656, 17.5837, 44.7891 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(204, 39, 180) }
```


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

```
.border{ border-color:rgb(204, 39, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 39, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 39, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 39, 180);  
box-shadow:4px 4px 4px 4px rgb(204, 39,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8656, 17.5837, 44.7891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 39, 180) }
```

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

```
.background{ background-color: rgb(204, 39,  
180) }
```

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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