

Converting Colors

XYZ(33.7617, 18.5152, 48.1172)

Have a look what the booklet for
XYZ(33.7617, 18.5152, 48.1172)
contains.

XYZ(33.8303, 18.5156, 48.2452)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.8303, 18.5156,
48.2452)**

Conversions

Conversions Part 1

Format	Color
Hex	C738BA
RGB	199, 56, 186
RGB Percent	78%, 22%, 73%
CMY	0.2196, 0.7804, 0.2706
CMYK	0.00, 0.72, 0.07, 0.22
HSL	305°, 56%, 50%
HSV	305°, 72%, 78%
XYZ	33.8303, 18.5156, 48.2452
YIQ	113.5770, 43.4980, 70.7460

Conversions

Conversions Part 2

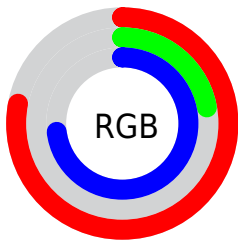
Format	Color
R_{YB}	199, 56, 186
Decimal	13056186
CIE _{Lab}	50.12, 69.36, -38.48
CIE _{LCh}	50, 79.323, 330.980
Yxy	18.5156, 0.3363, 0.1841
Android (android.graphics.Color)	4291246266 (0xFFC738BA)
YUV	113.5770, 35.7045, 74.9160
Hunter-Lab	43.0298, 65.0359, -36.3554

Details

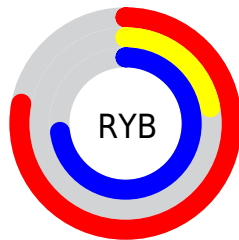
The XYZ color **33.8303, 18.5156, 48.2452** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted rose. A complement of this color would be **23.1294, 42.1181, 12.5420**, and the grayscale version is **15.7565, 16.5771, 18.0524**.

A 20% lighter version of the original color is **63.6631, 40.2218, 89.2022**, and **15.1494, 7.3287, 22.4459** is the 20% darker color. If you saturate the color by 10%, you get **32.8594, 16.8792, 46.9787**, and if you desaturate by 10%, it is **35.1881, 20.9210, 49.6530**.

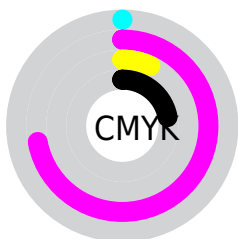
Distribution



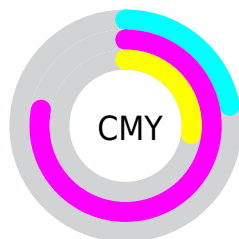
- Red (78%)
- Green (22%)
- Blue (73%)



- Red (78%)
- Yellow (22%)
- Blue (73%)



- Cyan (0%)
- Magenta (72%)
- Yellow (7%)
- Black (22%)



- Cyan (22%)
- Magenta (78%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8303, 18.5156, 48.2452 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 33.8303, 18.5156, 48.2452 by changing the saturation by 10% instead.

33.8303, 18.5156,
48.2452

33.8303, 18.5156,
48.2452

310.9740,
243.7614, 396.2999

22.9255, 11.3208,
33.6597

65.0157, 40.9140,
88.9387

14.6589, 6.2830,
22.3571

86.0271, 56.8863,
115.8838

8.6651, 3.0179,
13.9187

111.1381, 76.5533,
147.7860

4.5788, 1.1411,
7.9260

140.7139,
100.2993, 185.0636

2.0345, 0.0128,
3.9606

175.1201,
128.5087, 228.1352

0.6532, 0.0000,
1.6037

214.7219,

0.0000, 0.0000,

161.5659, 277.4195

0.2935

259.8848,
199.8553, 333.3349

■ 0.0000, 0.0000,
0.0000

■ 33.8303, 18.5156,
48.2452

■ 33.8303, 18.5156,
48.2452

■ 32.8594, 16.8792,
46.9787

■ 35.1881, 20.9210,
49.6530

■ 32.2249, 15.9122,
45.8361

■ 36.9715, 24.1739,
51.2146

■ 31.8846, 15.4747,
44.9732

■ 39.2164, 28.3461,
52.9421

■ 41.9546, 33.5011,
54.8462

■ 45.2151, 39.6965,
56.9366

■ 49.0245, 46.9858,
59.2222

■ 53.4076, 55.4185,
61.7113

■ 58.3878, 65.0414,
64.4118

■ 63.9871, 75.8985,
67.3309

Harmonies

Analogous

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



26.2982, 18.5156, 82.0509



33.8303, 18.5156, 48.2452



36.7602, 18.5156, 19.4494

Triad

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



33.8303, 18.5156, 48.2452



17.3485, 18.5156, 0.4960



7.7669, 18.5156, 50.5093

Complementary

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



33.8303, 18.5156, 48.2452



23.1294, 42.1181, 12.5420

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.



6.6152, 18.5156, 20.8884



33.8303, 18.5156, 48.2452



11.0663, 18.5156, 1.3235

Square

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



33.8303, 18.5156, 48.2452



25.7335, 18.5156, 1.2098



7.6222, 18.5156, 5.8601



11.3888, 18.5156, 83.8987

Rectangle

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



33.8303, 18.5156, 48.2452



35.1946, 18.5156, 8.5344



7.6222, 18.5156, 5.8601



7.1345, 18.5156, 39.2947

Sweetspot

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



33.8310, 18.5165, 48.2456



78.8800, 68.9567, 99.5124



14.1020, 8.1788, 54.8689



16.5299, 14.0859, 21.0780



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.



33.8310, 18.5165, 48.2456



56.8662, 28.5054, 81.1489



28.0965, 16.2227, 18.0480



11.0399, 10.7994, 13.1935



20.5193, 9.9573, 29.0080



0.9841, 0.4765, 1.4392

Inverse Universe

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



33.8310, 18.5165, 48.2456



56.8662, 28.5054, 81.1489



26.7459, 43.5647, 31.5866



11.0399, 10.7994, 13.1935



20.5193, 9.9573, 29.0080



0.9841, 0.4765, 1.4392

Previews

White Background



This preview shows how the XYZ color 33.8303, 18.5156, 48.2452 looks on a white background.

Color Contrast Check

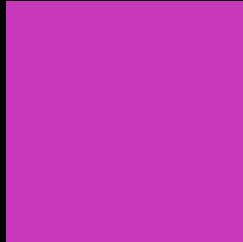
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8303, 18.5156, 48.2452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

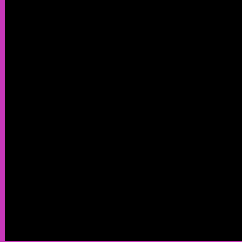
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8303, 18.5156, 48.2452

Background



This preview shows how black text looks on a background with the XYZ color 33.8303, 18.5156, 48.2452.



This preview shows how white text looks on a background with the XYZ color 33.8303, 18.5156,

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

33.8303, 18.5156, 48.2452

Protanopia

22.7011, 19.1571, 84.9393

Deuteranopia

19.2520, 18.8009, 44.2092



Tritanopia

26.3702, 18.4255, 12.5225

Trichromacy



Original Color

33.8303, 18.5156, 48.2452



Protanomaly

21.6403, 15.6056, 69.5818



Deuteranomaly

22.0940, 16.6476, 45.2288



Tritanomaly

28.4075, 18.0386, 22.0632

Monochromacy



Original Color

33.8303, 18.5156, 48.2452



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

20.3250, 15.7419, 26.7782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8303, 18.5156, 48.2452 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(199, 56, 186)` looks like.

```
.text, #text, p{  
    color:rgb(199, 56, 186)  
}
```

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(199, 56, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 56, 186) }
```

Border

The CSS property to change the border of an element to XYZ 33.8303, 18.5156, 48.2452 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(199, 56, 186) }
```


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

```
.border{ border-color:rgb(199, 56, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 56, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 56, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 56, 186);  
box-shadow:4px 4px 4px 4px rgb(199, 56,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8303, 18.5156, 48.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 56, 186) }
```

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

```
.background{ background-color: rgb(199, 56,  
186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor