

Converting Colors

XYZ(33.2501, 18.8632, 47.2359)

Have a look what the booklet for
XYZ(33.2501, 18.8632, 47.2359)
contains.

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Color

**XYZ(33.2501, 18.8632,
47.2359)**

Conversions

Conversions Part 1

Format	Color
Hex	C440B8
RGB	196, 64, 184
RGB Percent	77%, 25%, 72%
CMY	0.2314, 0.7490, 0.2784
CMYK	0.00, 0.67, 0.06, 0.23
HSL	305°, 53%, 51%
HSV	305°, 67%, 77%
XYZ	33.2501, 18.8632, 47.2359
YIQ	117.1480, 40.1520, 65.3040

Conversions

Conversions Part 2

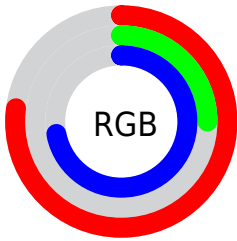
Format	Color
R_{YB}	196, 64, 184
Decimal	12861624
CIE _{Lab}	50.53, 65.55, -36.70
CIE _{LCh}	51, 75.129, 330.757
Yxy	18.8632, 0.3347, 0.1899
Android (android.graphics.Color)	4291051704 (0xFFC440B8)
YUV	117.1480, 32.9580, 69.1532
Hunter-Lab	43.4318, 60.6487, -34.0809

Details

The XYZ color **33.2501, 18.8632, 47.2359** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted rose. A complement of this color would be **23.1597, 41.0925, 13.5497**, and the grayscale version is **16.8476, 17.7250, 19.3025**.

A 20% lighter version of the original color is **63.9277, 41.4703, 87.0733**, and **14.6767, 7.1007, 21.7161** is the 20% darker color. If you saturate the color by 10%, you get **32.1472, 16.9541, 45.9525**, and if you desaturate by 10%, it is **34.7449, 21.5515, 48.6618**.

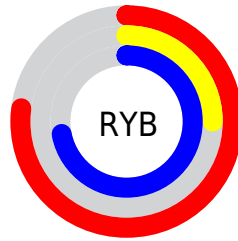
Distribution



Red (77%)

Green (25%)

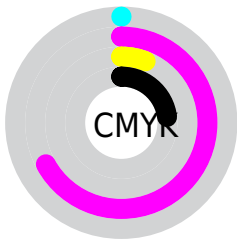
Blue (72%)



Red (77%)

Yellow (25%)

Blue (72%)

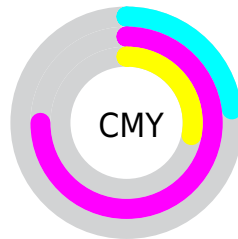


Cyan (0%)

Magenta (67%)

Yellow (6%)

Black (23%)



Cyan (23%)

Magenta (75%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2501, 18.8632, 47.2359 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 33.2501, 18.8632, 47.2359 by changing the saturation by 10% instead.

33.2501, 18.8632,
47.2359

33.2501, 18.8632,
47.2359

308.4203,
245.6925, 392.1763

22.4783, 11.5715,
32.8665

64.1179, 41.5028,
87.4193

14.3273, 6.4526,
21.7539

84.9445, 57.6195,
114.0704

8.4319, 3.1222,
13.4796

109.8535, 77.4466,
145.6525

4.4266, 1.1959,
7.6250

139.2101,
101.3685, 182.5840

1.9462, 0.0583,
3.7717

173.3797,
129.7697, 225.2837

0.6035, 0.0000,
1.5009

212.7277,

0.0000, 0.0000,

163.0345, 274.1699

0.2186

257.6195,
201.5473, 329.6613

■ 0.0000, 0.0000,
0.0000

■ 33.2501, 18.8632,
47.2359

■ 33.2501, 18.8632,
47.2359

■ 32.1472, 16.9541,
45.9525

■ 34.7449, 21.5515,
48.6618

■ 31.3915, 15.7360,
44.7963

■ 36.6663, 25.0896,
50.2414

■ 30.9235, 15.0896,
43.7475

■ 39.0472, 29.5430,
51.9859

■ 30.8194, 14.9576,
43.4776

■ 41.9170, 34.9703,
53.9051

■ 45.3024, 41.4251,
56.0079

■ 49.2283, 48.9571,
58.3027

■ 53.7181, 57.6128,
60.7973

■ 58.7934, 67.4359,
63.4991

■ 64.4751, 78.4679,
66.4148

Harmonies

Analogous

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



26.1442, 18.8632, 78.4043



33.2501, 18.8632, 47.2359



36.0334, 18.8632, 20.0103

Triad

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



33.2501, 18.8632, 47.2359



17.7434, 18.8632, 0.8385



8.3409, 18.8632, 48.8632

Complementary

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



33.2501, 18.8632, 47.2359



23.1597, 41.0925, 13.5497

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.



7.2072, 18.8632, 21.0766



33.2501, 18.8632, 47.2359



11.6448, 18.8632, 1.7156

Square

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



33.2501, 18.8632, 47.2359



25.7318, 18.8632, 1.6157



8.2296, 18.8632, 6.4588



11.8883, 18.8632, 79.7138

Rectangle

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



33.2501, 18.8632, 47.2359



34.5982, 18.8632, 9.2990



8.2296, 18.8632, 6.4588



7.7163, 18.8632, 38.4191

Sweetspot

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



33.2508, 18.8641, 47.2363



80.1452, 71.3707, 100.2931



14.6997, 9.1491, 53.2165



16.7762, 14.5549, 21.2329



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.



33.2508, 18.8641, 47.2363



57.4879, 29.4799, 82.1854



27.9290, 16.7354, 19.2122



10.4565, 10.2312, 12.4946



19.8192, 9.6174, 28.0238



0.8681, 0.4202, 1.2728

Inverse Universe

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



33.2508, 18.8641, 47.2363



57.4879, 29.4799, 82.1854



26.6629, 42.4938, 31.9974



10.4565, 10.2312, 12.4946



19.8192, 9.6174, 28.0238



0.8681, 0.4202, 1.2728

Previews

White Background



This preview shows how the XYZ color 33.2501, 18.8632, 47.2359 looks on a white background.

Color Contrast Check

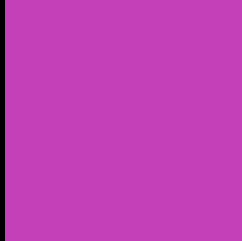
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2501, 18.8632, 47.2359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

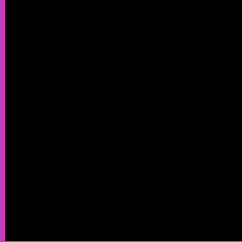
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2501, 18.8632, 47.2359

Background



This preview shows how black text looks on a background with the XYZ color 33.2501, 18.8632, 47.2359.



This preview shows how white text looks on a background with the XYZ color 33.2501, 18.8632,

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

33.2501, 18.8632, 47.2359

Protanopia

22.5577, 19.3895, 78.8976

Deuteranopia

19.5999, 19.1807, 43.2267



Tritanopia

26.3923, 18.9100, 13.5682

Trichromacy



Original Color

33.2501, 18.8632, 47.2359



Protanomaly

22.6968, 16.7675, 66.3302



Deuteranomaly

22.4246, 17.3970, 44.2955



Tritanomaly

28.1401, 18.4170, 22.8406

Monochromacy



Original Color

33.2501, 18.8632, 47.2359



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

21.0295, 16.7694, 27.3278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2501, 18.8632, 47.2359 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(196, 64, 184)` looks like.

```
.text, #text, p{  
    color:rgb(196, 64, 184)  
}
```

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(196, 64, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 64, 184) }
```

Border

The CSS property to change the border of an element to XYZ 33.2501, 18.8632, 47.2359 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(196, 64, 184) }
```


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

```
.border{ border-color:rgb(196, 64, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 64, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 64, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 64, 184);  
box-shadow:4px 4px 4px 4px rgb(196, 64,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2501, 18.8632, 47.2359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 64, 184) }
```

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

```
.background{ background-color: rgb(196, 64,  
184) }
```

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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