

Converting Colors

XYZ(33.7608, 24.5359, 50.9301)

Have a look what the booklet for
XYZ(33.7608, 24.5359, 50.9301)
contains.

XYZ(33.7100, 24.4352, 51.0839)	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(33.7100, 24.4352,
51.0839)**

Conversions

Conversions Part 1

Format	Color
Hex	B56DBD
RGB	181, 109, 189
RGB Percent	71%, 43%, 74%
CMY	0.2902, 0.5725, 0.2588
CMYK	0.04, 0.42, 0.00, 0.26
HSL	294°, 38%, 58%
HSV	294°, 42%, 74%
XYZ	33.7100, 24.4352, 51.0839
YIQ	139.6480, 17.2320, 40.1440

Conversions

Conversions Part 2

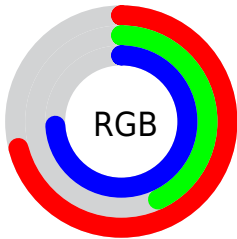
Format	Color
R _Y B	181, 109, 189
Decimal	11890109
CIE Lab	56.52, 41.33, -30.37
CIE LCh	57, 51.292, 323.692
Yxy	24.4352, 0.3086, 0.2237
Android (android.graphics.Color)	4290080189 (0xFFB56DBD)
YUV	139.6480, 24.3305, 36.2657
Hunter-Lab	49.4320, 35.2216, -26.6690

Details

The XYZ color **33.7100, 24.4352, 51.0839** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **28.2949, 41.2819, 20.9461**, and the grayscale version is **24.6957, 25.9818, 28.2942**.

A 20% lighter version of the original color is **64.8148, 50.6716, 93.5533**, and **14.4904, 9.2110, 23.9358** is the 20% darker color. If you saturate the color by 10%, you get **31.4665, 20.6011, 50.4624**, and if you desaturate by 10%, it is **36.3947, 29.1415, 51.8512**.

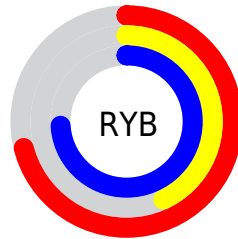
Distribution



Red (71%)

Green (43%)

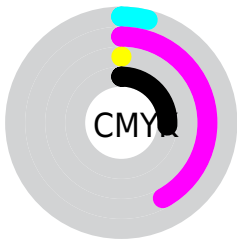
Blue (74%)



Red (71%)

Yellow (43%)

Blue (74%)

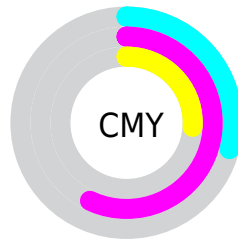


Cyan (4%)

Magenta (42%)

Yellow (0%)

Black (26%)



Cyan (29%)

Magenta (57%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7100, 24.4352, 51.0839 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 33.7100, 24.4352, 51.0839 by changing the saturation by 10% instead.

33.7100, 24.4352,
51.0839

33.7100, 24.4352,
51.0839

310.4457,
275.0134, 407.7455

22.8327, 15.6568,
35.8982

64.8297, 50.7395,
93.1916

14.5901, 9.2816,
24.0665

85.8029, 69.0341,
120.9506

8.6166, 4.9253,
15.1703

110.8721, 91.2695,
153.7378

4.5471, 2.2035,
8.7910

140.4027,
117.8302, 191.9717

2.0160, 0.7219,
4.5102

174.7600,
149.1006, 236.0709

0.6430, 0.0000,
1.9092

214.3093,

0.0000, 0.0000,

185.4650, 286.4539

0.4986

259.4161,
227.3078, 343.5393

■ 0.0000, 0.0000,
0.0000

■ 33.7100, 24.4352,
51.0839

■ 33.7100, 24.4352,
51.0839

■ 31.4665, 20.6011,
50.4624

■ 36.3947, 29.1415,
51.8512

■ 29.6335, 17.5798,
49.9759

■ 39.5435, 34.7679,
52.7712

■ 28.1807, 15.3097,
49.6143


■ 43.1811, 41.3627,
53.8524


■ 27.0719, 13.7191,
49.3657


■ 47.3293, 48.9696,
55.1021


■ 26.2642, 12.7219,
49.2158


■ 52.0088, 57.6301,
56.5271

 25.7848, 12.2315,
49.1464

 57.2390, 67.3830,
58.1339

 63.0385, 78.2653,
59.9287

 67.7418, 86.9461,
61.3564

 68.2370, 87.2014,
61.3796

Harmonies

Analogous

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



28.1285, 24.4352, 69.2620



33.7100, 24.4352, 51.0839



36.5426, 24.4352, 30.3676

Triad

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



33.7100, 24.4352, 51.0839



24.5038, 24.4352, 5.5274



14.2500, 24.4352, 42.0506

Complementary

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



33.7100, 24.4352, 51.0839



28.2949, 41.2819, 20.9461

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.



13.6139, 24.4352, 23.1682



33.7100, 24.4352, 51.0839



18.9272, 24.4352, 6.4755

Square

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



33.7100, 24.4352, 51.0839



30.6735, 24.4352, 7.9814



15.1764, 24.4352, 11.5461



17.0918, 24.4352, 62.6751

Rectangle

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



33.7100, 24.4352, 51.0839



36.1978, 24.4352, 19.5835



15.1764, 24.4352, 11.5461



13.7938, 24.4352, 35.1332

Sweetspot

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



33.7108, 24.4363, 51.0844



76.7260, 72.9664, 96.2662



21.8543, 19.6491, 50.7853



16.1768, 15.1037, 20.6053



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7108, 24.4363, 51.0844



56.5428, 37.2104, 90.4284



32.5415, 24.1915, 34.8536



9.8334, 9.6465, 12.0159



17.3854, 8.2486, 33.0687



0.7085, 0.3373, 1.2966

Inverse Universe

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



29.6666, 23.0416, 19.7147



48.4919, 34.4758, 26.0854



29.3129, 41.5701, 31.6793



9.5679, 9.5515, 10.1136



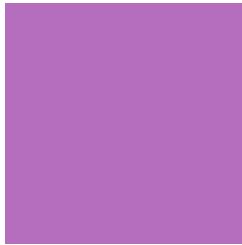
14.2123, 7.3161, 1.1459



0.5699, 0.2918, 0.1142

Previews

White Background



This preview shows how the XYZ color 33.7100, 24.4352, 51.0839 looks on a white background.

Color Contrast Check

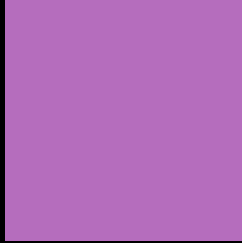
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7100, 24.4352, 51.0839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

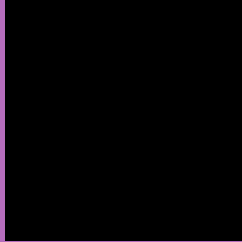
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7100, 24.4352, 51.0839

Background



This preview shows how black text looks on a background with the XYZ color 33.7100, 24.4352, 51.0839.



This preview shows how white text looks on a background with the XYZ color 33.7100, 24.4352,

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

33.7100, 24.4352, 51.0839

Protanopia

26.2028, 24.6297, 63.6946

Deuteranopia

25.2029, 24.6485, 48.7767



Tritanopia

28.2898, 24.4420, 24.6995

Trichromacy



Original Color

33.7100, 24.4352, 51.0839

Protanomaly

27.8600, 23.8305, 59.0085

Deuteranomaly

27.5242, 24.0520, 49.6462

Tritanomaly

29.9333, 24.2197, 32.8030

Monochromacy



Original Color

33.7100, 24.4352, 51.0839

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.5394, 25.1377, 35.7483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7100, 24.4352, 51.0839 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(181, 109, 189)` looks like.

```
.text, #text, p{  
    color:rgb(181, 109, 189)  
}
```

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(181, 109, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 109, 189) }
```

Border

The CSS property to change the border of an element to XYZ 33.7100, 24.4352, 51.0839 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(181, 109, 189) }
```


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

```
.border{ border-color:rgb(181, 109, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 109, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 109, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 109, 189); box-shadow:4px 4px 4px 4px rgb(181, 109, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7100, 24.4352, 51.0839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 109, 189) }
```

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

```
.background{ background-color: rgb(181,  
109, 189) }
```

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