

Converting Colors

XYZ(33.0922, 23.2196, 41.5121)

Have a look what the booklet for
XYZ(33.0922, 23.2196, 41.5121)
contains.

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Color

**XYZ(33.0883, 23.2618,
41.2741)**

Conversions

Conversions Part 1

Format	Color
Hex	BD66AB
RGB	189, 102, 171
RGB Percent	74%, 40%, 67%
CMY	0.2588, 0.6000, 0.3294
CMYK	0.00, 0.46, 0.10, 0.26
HSL	312°, 40%, 57%
HSV	312°, 46%, 74%
XYZ	33.0883, 23.2618, 41.2741
YIQ	135.8790, 29.7030, 39.9030

Conversions

Conversions Part 2

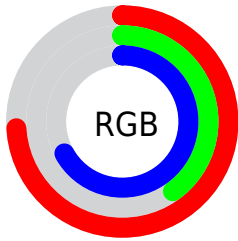
Format	Color
R _{YB}	189, 102, 171
Decimal	12412587
CIE Lab	55.34, 44.23, -21.74
CIE LCh	55, 49.286, 333.822
Yxy	23.2618, 0.3389, 0.2383
Android (android.graphics.Color)	4290602667 (0xFFBD66AB)
YUV	135.8790, 17.3147, 46.5871
Hunter-Lab	48.2305, 38.0557, -16.9771

Details

The XYZ color **33.0883, 23.2618, 41.2741** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **27.0683, 40.5768, 24.1763**, and the grayscale version is **23.2867, 24.4994, 26.6799**.

A 20% lighter version of the original color is **63.8066, 48.7078, 77.9901**, and **14.3019, 8.6814, 18.3747** is the 20% darker color. If you saturate the color by 10%, you get **31.0711, 19.8148, 38.7899**, and if you desaturate by 10%, it is **35.5414, 27.5622, 43.9585**.

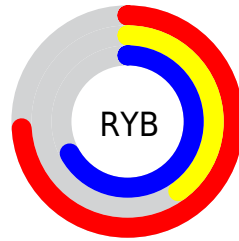
Distribution



Red (74%)

Green (40%)

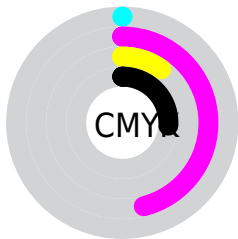
Blue (67%)



Red (74%)

Yellow (40%)

Blue (67%)

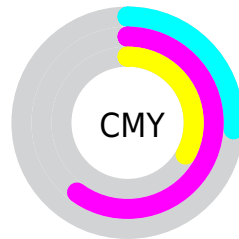


Cyan (0%)

Magenta (46%)

Yellow (10%)

Black (26%)



Cyan (26%)


Magenta (60%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0883, 23.2618, 41.2741 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 33.0883, 23.2618, 41.2741 by changing the saturation by 10% instead.


 33.0883, 23.2618,
41.2741


 33.0883, 23.2618,
41.2741


307.7054,
269.0668, 367.1754


 22.3537, 14.7869,
28.2120


 63.8671, 48.8228,
78.3580


 14.2350, 8.6700,
18.2451


 84.6420, 66.6778,
103.2169

 8.3671, 4.5266,
10.9548

 109.4943, 88.4283,
132.8451

 4.3845, 1.9723,
5.9227

 138.7895,
114.4586, 167.6612

 1.9219, 0.5913,
2.7301

172.8928,
145.1533, 208.0838

 0.5895, 0.0000,
0.9585

212.1697,

 0.0000, 0.0000,

180.8966, 254.5313

0.0000

256.9854,
222.0730, 307.4223

■ 33.0883, 23.2618,
41.2741

■ 33.0883, 23.2618,
41.2741

■ 31.0711, 19.8148,
38.7899

■ 35.5414, 27.5622,
43.9585

■ 29.4584, 17.1596,
36.4942

■ 38.4547, 32.7656,
46.8510

■ 28.2179, 15.2316,
34.3761

■ 41.8533, 38.9216,
49.9605

■ 27.3114, 13.9544,
32.4223

■ 45.7598, 46.0753,
53.2952

■ 26.6903, 13.2308,
30.6162

■ 50.1954, 54.2690,
56.8624

■ 26.4830, 13.0176,
29.9267

■ 55.1800, 63.5423,
60.6693

■ 60.7326, 73.9330,
64.7225

■ 66.8711, 85.4770,
69.0286

■ 67.9109, 86.8047,
71.6931

Harmonies

Analogous

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



28.5706, 23.2618, 59.9763



33.0883, 23.2618, 41.2741



34.5038, 23.2618, 23.3523

Triad

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



33.0883, 23.2618, 41.2741



21.4085, 23.2618, 5.4763



14.4015, 23.2618, 46.3358

Complementary

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



33.0883, 23.2618, 41.2741



27.0683, 40.5768, 24.1763

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.



13.1082, 23.2618, 27.4124



33.0883, 23.2618, 41.2741



16.7045, 23.2618, 7.5198

Square

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



33.0883, 23.2618, 41.2741



27.1390, 23.2618, 6.6523



13.8756, 23.2618, 14.1308



17.7435, 23.2618, 63.6547

Rectangle

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



33.0883, 23.2618, 41.2741



33.3306, 23.2618, 14.9137



13.8756, 23.2618, 14.1308



13.7406, 23.2618, 39.7229

Sweetspot

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



33.0890, 23.2629, 41.2746



76.1535, 71.8868, 90.5266



21.6005, 17.1284, 50.3122



16.0698, 14.8998, 19.1980



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.



33.0890, 23.2629, 41.2746



55.6965, 35.5697, 69.5361



29.6414, 21.8838, 23.1195



9.8431, 9.6615, 11.5627



17.8467, 8.7698, 20.2843



0.7208, 0.3522, 0.9089

Inverse Universe

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



33.0890, 23.2629, 41.2746



55.6965, 35.5697, 69.5361



30.2799, 41.8614, 41.0885



9.8431, 9.6615, 11.5627



17.8467, 8.7698, 20.2843



0.7208, 0.3522, 0.9089

Previews

White Background



This preview shows how the XYZ color 33.0883, 23.2618, 41.2741 looks on a white background.

Color Contrast Check

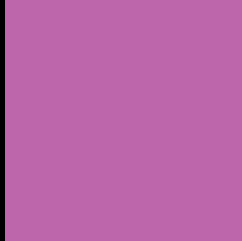
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0883, 23.2618, 41.2741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

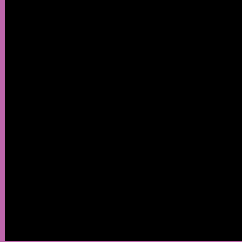
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0883, 23.2618, 41.2741

Background



This preview shows how black text looks on a background with the XYZ color 33.0883, 23.2618, 41.2741.



This preview shows how white text looks on a background with the XYZ color 33.0883, 23.2618,

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

33.0883, 23.2618, 41.2741

Protanopia

24.5520, 23.5936, 53.7121

Deuteranopia

23.9188, 23.3856, 39.3296



Tritanopia

28.8848, 23.2580, 21.0560

Trichromacy



Original Color

33.0883, 23.2618, 41.2741

Protanomaly

26.4579, 22.5984, 48.8664

Deuteranomaly

26.5469, 22.8394, 40.0551

Tritanomaly

30.1364, 23.1156, 27.2995

Monochromacy



Original Color

33.0883, 23.2618, 41.2741

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

26.1500, 23.5538, 31.6018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0883, 23.2618, 41.2741 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(189, 102, 171)` looks like.

```
.text, #text, p{  
    color:rgb(189, 102, 171)  
}
```

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(189, 102, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 102, 171) }
```

Border

The CSS property to change the border of an element to XYZ 33.0883, 23.2618, 41.2741 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(189, 102, 171) }
```


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

```
.border{ border-color:rgb(189, 102, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 102, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 102, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 102, 171);  
box-shadow:4px 4px 4px 4px rgb(189, 102,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0883, 23.2618, 41.2741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 102, 171) }
```

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

```
.background{ background-color: rgb(189,  
102, 171) }
```

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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