

Converting Colors

XYZ(33.6446, 18.2325, 42.6800)

Have a look what the booklet for
XYZ(33.6446, 18.2325, 42.6800)
contains.

XYZ(33.6931, 18.2871, 42.8282)	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(33.6931, 18.2871,
42.8282)**

Conversions

Conversions Part 1

Format	Color
Hex	CB34B0
RGB	203, 52, 176
RGB Percent	80%, 20%, 69%
CMY	0.2039, 0.7960, 0.3098
CMYK	0.00, 0.74, 0.13, 0.20
HSL	311°, 59%, 50%
HSV	311°, 74%, 80%
XYZ	33.6931, 18.2871, 42.8282
YIQ	111.2850, 50.1920, 70.5760

Conversions

Conversions Part 2

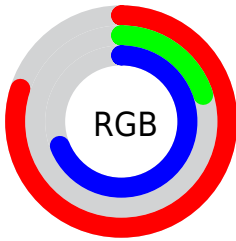
Format	Color
R_{YB}	203, 52, 176
Decimal	13317296
CIE _{Lab}	49.84, 70.06, -33.02
CIE _{LCh}	50, 77.451, 334.767
Yxy	18.2871, 0.3554, 0.1929
Android (android.graphics.Color)	4291507376 (0xFFFCB34B0)
YUV	111.2850, 31.9045, 80.4341
Hunter-Lab	42.7634, 65.8033, -29.4454

Details

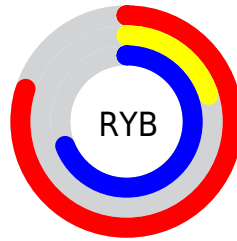
The XYZ color **33.6931, 18.2871, 42.8282** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **24.1844, 44.0073, 14.6185**, and the grayscale version is **15.0934, 15.8794, 17.2927**.

A 20% lighter version of the original color is **61.7106, 38.8964, 80.5992**, and **15.2522, 7.4498, 19.3730** is the 20% darker color. If you saturate the color by 10%, you get **32.6196, 16.7068, 40.7219**, and if you desaturate by 10%, it is **35.1668, 20.6516, 45.1155**.

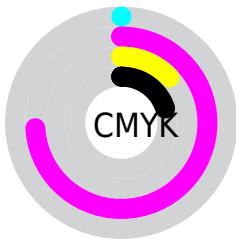
Distribution



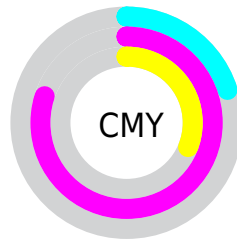
- Red (80%)
- Green (20%)
- Blue (69%)



- Red (80%)
- Yellow (20%)
- Blue (69%)



- Cyan (0%)
- Magenta (74%)
- Yellow (13%)
- Black (20%)





- Cyan (20%)
- Magenta (80%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6931, 18.2871, 42.8282 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 33.6931, 18.2871, 42.8282 by changing the saturation by 10% instead.

 33.6931, 18.2871,
42.8282


 33.6931, 18.2871,
42.8282


310.3715,
242.4843, 373.8052

 22.8197, 11.1563,
29.4199


 64.8036, 40.5259,
80.7351

 14.5804, 6.1721,
19.1504


 85.7714, 56.4028,
106.0709


 8.6098, 2.9500,
11.6011


 110.8347, 75.9637,
136.2195

 4.5426, 1.1057,
6.3535

 140.3589, 99.5932,
171.5996

 2.0135, 0.0000,
2.9889

 174.7093,
127.6756, 212.6297

 0.6415, 0.0000,
1.0890

214.2513,

 0.0000, 0.0000,

160.5953, 259.7283

0.0000

259.3503,
198.7368, 313.3139

■ 33.6931, 18.2871,
42.8282

■ 33.6931, 18.2871,
42.8282

■ 32.6196, 16.7068,
40.7219

■ 35.1668, 20.6516,
45.1155

■ 31.8903, 15.8003,
38.7773

■ 37.0834, 23.8866,
47.5981

■ 31.5762, 15.4756,
37.7368

■ 39.4818, 28.0698,
50.2894

■ 42.3963, 33.2695,
53.2012

■ 45.8582, 39.5480,
56.3443

■ 49.8959, 46.9622,
59.7285

■ 54.5360, 55.5653,
63.3629

■ 59.8036, 65.4071,
67.2564

■ 65.7220, 76.5343,
71.4170

Harmonies

Analogous

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



26.8244, 18.2871, 75.6597



33.6931, 18.2871, 42.8282



35.7688, 18.2871, 16.7130

Triad

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



33.6931, 18.2871, 42.8282



16.2253, 18.2871, 0.6119



8.1163, 18.2871, 53.3656

Complementary

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



33.6931, 18.2871, 42.8282



24.1844, 44.0073, 14.6185

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.



6.7073, 18.2871, 23.4941



33.6931, 18.2871, 42.8282



10.4639, 18.2871, 1.6908

Square

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



33.6931, 18.2871, 42.8282



24.1809, 18.2871, 1.1173



7.4251, 18.2871, 7.1011



11.9933, 18.2871, 84.2102

Rectangle

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



33.6931, 18.2871, 42.8282



33.7692, 18.2871, 7.2532



7.4251, 18.2871, 7.1011



7.3974, 18.2871, 42.3297

Sweetspot

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



33.6937, 18.2880, 42.8285



78.1170, 68.6515, 95.4945



15.0826, 8.3536, 57.3180



16.3473, 14.0129, 20.1168



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.



33.6937, 18.2880, 42.8285



53.8473, 26.9692, 66.2651



28.2724, 16.1195, 14.2801



11.5981, 11.3680, 13.6843



20.1253, 9.8607, 24.1763



1.0613, 0.5179, 1.3689

Inverse Universe

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



33.6937, 18.2880, 42.8285



53.8473, 26.9692, 66.2651



28.4953, 45.7316, 37.3196



11.5981, 11.3680, 13.6843



20.1253, 9.8607, 24.1763



1.0613, 0.5179, 1.3689

Previews

White Background



This preview shows how the XYZ color 33.6931, 18.2871, 42.8282 looks on a white background.

Color Contrast Check

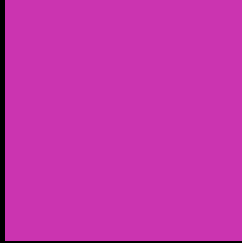
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6931, 18.2871, 42.8282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

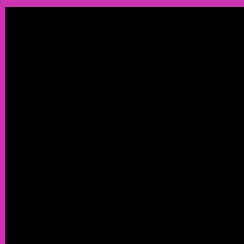
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6931, 18.2871, 42.8282

Background



This preview shows how black text looks on a background with the XYZ color 33.6931, 18.2871, 42.8282.



This preview shows how white text looks on a background with the XYZ color 33.6931, 18.2871,

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

33.6931, 18.2871, 42.8282

Protanopia

21.8298, 18.7047, 77.3227

Deuteranopia

19.0470, 18.6305, 39.1514



Tritanopia

27.2433, 18.3248, 11.1180

Trichromacy



Original Color

33.6931, 18.2871, 42.8282



Protanomaly

21.5234, 15.4332, 62.8173



Deuteranomaly

21.9059, 16.3967, 40.0405



Tritanomaly

28.8717, 17.8442, 19.3753

Monochromacy



Original Color

33.6931, 18.2871, 42.8282



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

19.5309, 14.9909, 24.7858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6931, 18.2871, 42.8282 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(203, 52, 176)` looks like.

```
.text, #text, p{  
    color:rgb(203, 52, 176)  
}
```

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(203, 52, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 52, 176) }
```

Border

The CSS property to change the border of an element to XYZ 33.6931, 18.2871, 42.8282 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(203, 52, 176) }
```


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

```
.border{ border-color:rgb(203, 52, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 52, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 52, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 52, 176);  
box-shadow:4px 4px 4px 4px rgb(203, 52,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6931, 18.2871, 42.8282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 52, 176) }
```

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

```
.background{ background-color: rgb(203, 52,  
176) }
```

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