

Converting Colors

XYZ(33.6428, 30.5254, 42.9999)

Have a look what the booklet for
XYZ(33.6428, 30.5254, 42.9999)
contains.

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Color

**XYZ(33.7659, 30.6862,
43.1731)**

Conversions

Conversions Part 1

Format	Color
Hex	AB8DAC
RGB	171, 141, 172
RGB Percent	67%, 55%, 67%
CMY	0.3294, 0.4470, 0.3255
CMYK	0.01, 0.18, 0.00, 0.33
HSL	298°, 16%, 61%
HSV	298°, 18%, 67%
XYZ	33.7659, 30.6862, 43.1731
YIQ	153.5040, 7.9290, 16.0010

Conversions

Conversions Part 2

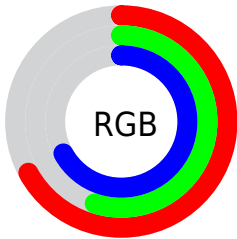
Format	Color
RYB	171, 141, 172
Decimal	11242924
CIELab	62.24, 16.87, -12.03
CIElCh	62, 20.721, 324.504
Yxy	30.6862, 0.3137, 0.2851
Android (android.graphics.Color)	4289433004 (0xFFAB8DAC)
YUV	153.5040, 9.1185, 15.3440
Hunter-Lab	55.3951, 11.8626, -7.4320

Details

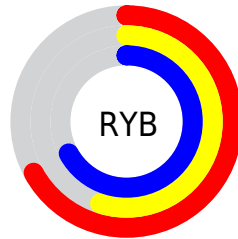
The XYZ color **33.7659, 30.6862, 43.1731** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **30.7165, 37.1796, 30.7582**, and the grayscale version is **30.4577, 32.0439, 34.8958**.

A 20% lighter version of the original color is **65.0588, 60.9072, 81.0003**, and **14.6025, 12.6898, 19.4490** is the 20% darker color. If you saturate the color by 10%, you get **31.3039, 25.9407, 42.3873**, and if you desaturate by 10%, it is **36.6241, 36.2224, 44.0915**.

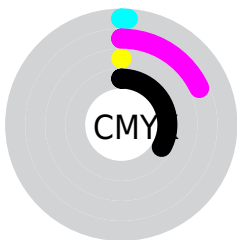
Distribution



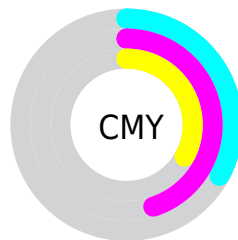
- Red (67%)
- Green (55%)
- Blue (67%)



- Red (67%)
- Yellow (55%)
- Blue (67%)



- Cyan (1%)
- Magenta (18%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (45%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7659, 30.6862, 43.1731 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 33.7659, 30.6862, 43.1731 by changing the saturation by 10% instead.


 33.7659, 30.6862,
43.1731


 33.7659, 30.6862,
43.1731


310.6913,
305.0900, 375.2653


 22.8759, 20.3600,
29.6885


 64.9162, 60.7457,
81.2612

 14.6221, 12.6570,
19.3523


 85.9071, 81.2478,
106.7018

 8.6392, 7.1928,
11.7457


 110.9957,
105.9106, 136.9648

 4.5618, 3.5830,
6.4503

140.5473,
135.1186, 172.4688

 2.0246, 1.4431,
3.0476

174.9274,
169.2562, 213.6323

 0.6477, 0.2482,
1.1190

214.5011,

 0.0000, 0.0000,

208.7077, 260.8738

0.0000

259.6340,
253.8575, 314.6120

■ 33.7659, 30.6862,
43.1731

■ 33.7659, 30.6862,
43.1731

■ 31.3039, 25.9407,
42.3873

■ 36.6241, 36.2224,
44.0915

■ 29.2173, 21.9456,
41.7262

■ 39.8927, 42.5792,
45.1462

■ 27.4873, 18.6631,
41.1838

■ 43.5886, 49.7898,
46.3432

■ 26.0928, 16.0507,
40.7530

■ 47.7269, 57.8844,
47.6875

■ 25.0101, 14.0613,
40.4261

■ 52.3220, 66.8918,
49.1839

■ 24.2125, 12.6414,
40.1941

■ 57.3875, 76.8394,
50.8370

■ 23.6691, 11.7290,
40.0466

■ 60.8595, 83.5991,
51.9588

■ 23.3281, 11.2207,
39.9665

■ 60.9841, 83.6633,
51.9646

■ 23.2680, 11.1349,
39.9531

■ 61.1092, 83.7278,
51.9705

Harmonies

Analogous

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



31.4534, 30.6862, 49.4714



33.7659, 30.6862, 43.1731



34.8516, 30.6862, 34.9084

Triad

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



33.7659, 30.6862, 43.1731



29.6842, 30.6862, 20.3100



24.5428, 30.6862, 40.2135

Complementary

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



33.7659, 30.6862, 43.1731



30.7165, 37.1796, 30.7582

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.



24.1356, 30.6862, 31.9591



33.7659, 30.6862, 43.1731



26.9929, 30.6862, 21.2690

Square

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



33.7659, 30.6862, 43.1731



32.4006, 30.6862, 22.3790



25.0046, 30.6862, 25.2457



26.1548, 30.6862, 47.5804

Rectangle

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



33.7659, 30.6862, 43.1731



34.6868, 30.6862, 29.7024



25.0046, 30.6862, 25.2457



24.2650, 30.6862, 37.4184

Sweetspot

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



33.7668, 30.6875, 43.1738



68.1008, 68.9361, 80.5225



28.1101, 27.9986, 42.9529



14.7151, 14.8167, 17.4720



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.7668, 30.6875, 43.1738



59.2175, 51.7335, 77.6702



32.6705, 30.2743, 36.2601



8.3112, 8.1347, 10.0848



17.3243, 8.2909, 29.7317



0.4897, 0.2346, 0.8275

Inverse Universe

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



31.4216, 29.7747, 29.6834



54.0991, 49.7430, 48.1486



31.6937, 37.5508, 36.7949



8.0153, 8.0194, 8.3915



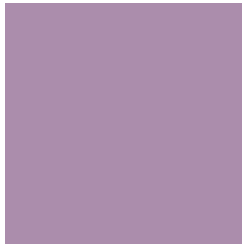
12.6872, 6.5374, 0.7324



0.3563, 0.1832, 0.0378

Previews

White Background



This preview shows how the XYZ color 33.7659, 30.6862, 43.1731 looks on a white background.

Color Contrast Check

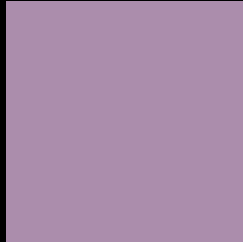
Large Text (above 18pt) WCAG AA × Fail

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 33.7659, 30.6862, 43.1731 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 ✓ Pass

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

XYZ 33.7659, 30.6862, 43.1731

Background



This preview shows how black text looks on a background with the XYZ color 33.7659, 30.6862, 43.1731.



This preview shows how white text looks on a background with the XYZ color 33.7659, 30.6862,

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

33.7659, 30.6862, 43.1731

Protanopia

30.3603, 30.6890, 45.9184

Deuteranopia

31.4947, 30.8756, 42.8277



Tritanopia

32.2518, 30.7481, 35.2455

Trichromacy



Original Color

33.7659, 30.6862, 43.1731

Protanomaly

31.3432, 30.5229, 44.7970

Deuteranomaly

32.1740, 30.7681, 42.7712

Tritanomaly

32.8330, 30.7642, 37.9258

Monochromacy



Original Color

33.7659, 30.6862, 43.1731

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.6777, 31.5417, 38.1368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7659, 30.6862, 43.1731 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(171, 141, 172)` looks like.

```
.text, #text, p{  
    color:rgb(171, 141, 172)  
}
```

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(171, 141, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 141, 172) }
```

Border

The CSS property to change the border of an element to XYZ 33.7659, 30.6862, 43.1731 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(171, 141, 172) }
```


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

```
.border{ border-color:rgb(171, 141, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 141, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 141, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 141, 172);  
box-shadow:4px 4px 4px 4px rgb(171, 141,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7659, 30.6862, 43.1731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 141, 172) }
```

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

```
.background{ background-color: rgb(171,  
141, 172) }
```

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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