

Converting Colors

XYZ(32.9299, 33.6899, 42.7842)

Have a look what the booklet for
XYZ(32.9299, 33.6899, 42.7842)
contains.

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Color

**XYZ(33.0488, 33.8473,
42.8215)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9CAA
RGB	157, 156, 170
RGB Percent	62%, 61%, 67%
CMY	0.3843, 0.3882, 0.3333
CMYK	0.08, 0.08, 0.00, 0.33
HSL	244°, 8%, 64%
HSV	244°, 8%, 67%
XYZ	33.0488, 33.8473, 42.8215
YIQ	157.8950, -3.8980, 4.5660

Conversions

Conversions Part 2

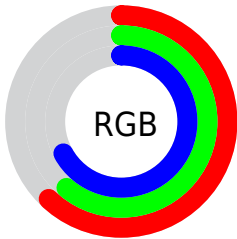
Format	Color
RYB	157, 156, 170
Decimal	10329258
CIELab	64.84, 3.14, -7.15
CIElCh	65, 7.810, 293.719
Yxy	33.8473, 0.3012, 0.3085
Android (android.graphics.Color)	4288519338 (0xFF9D9CAA)
YUV	157.8950, 5.9678, -0.7849
Hunter-Lab	58.1784, -0.4137, -2.9148

Details

The XYZ color **33.0488, 33.8473, 42.8215** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7388, 39.5856, 37.1586**, and the grayscale version is **32.4277, 34.1165, 37.1528**.

A 20% lighter version of the original color is **63.7886, 65.5265, 80.5200**, and **14.2654, 14.4753, 19.1817** is the 20% darker color. If you saturate the color by 10%, you get **27.5097, 27.0500, 41.8020**, and if you desaturate by 10%, it is **39.3872, 41.6512, 43.9943**.

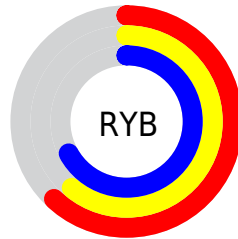
Distribution



Red (62%)

Green (61%)

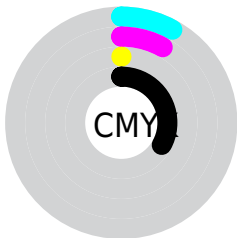
Blue (67%)



Red (62%)

Yellow (61%)

Blue (67%)

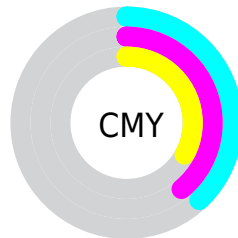


Cyan (8%)

Magenta (8%)

Yellow (0%)

Black (33%)



Cyan (38%)

Magenta (39%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0488, 33.8473, 42.8215 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 33.0488, 33.8473, 42.8215 by changing the saturation by 10% instead.

■ 33.0488, 33.8473,
42.8215

■ 33.0488, 33.8473,
42.8215

307.5307,
319.4506, 373.7768

■ 22.3232, 22.7763,
29.4147

■ 63.8059, 65.6961,
80.7249

■ 14.2125, 14.4284,
19.1465

■ 84.5681, 87.2428,
106.0586

■ 8.3513, 8.4192,
11.5983

109.4066,
113.0501, 136.2050

■ 4.3743, 4.3644,
6.3516

138.6868,
143.5025, 171.5827

■ 1.9160, 1.8794,
2.9878

172.7739,
178.9843, 212.6102

■ 0.5861, 0.5359,
1.0884

212.0333,

■ 0.0000, 0.0000,

219.8801, 259.7060

0.0000

256.8305,
266.5740, 313.2887

■ 33.0488, 33.8473,
42.8215

■ 33.0488, 33.8473,
42.8215

■ 27.5097, 27.0500,
41.8020

■ 39.3872, 41.6512,
43.9943

■ 22.7354, 21.2143,
40.9272

■ 46.5518, 50.4958,
45.3238

■ 18.6930, 16.2979,
40.1913

■ 54.5719, 60.4191,
46.8165

■ 15.3464, 12.2540,
39.5871

■ 63.4745, 71.4555,
48.4775

■ 12.6561, 9.0315,
39.1069

■ 73.2853, 83.6384,
50.3120

■ 10.5788, 6.5739,
38.7420

■ 83.0632, 95.0675,
52.0027

■ 9.0661, 4.8178,
38.4828

■ 84.2558, 95.6823,
52.0585

■ 8.0620, 3.6893,
38.3179

■ 7.4839, 3.0683,
38.2285

Harmonies

Analogous

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



31.9348, 33.8473, 43.3610



33.0488, 33.8473, 42.8215



33.9462, 33.8473, 40.6427

Triad

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



33.0488, 33.8473, 42.8215



33.4679, 33.8473, 32.0823



30.0683, 33.8473, 36.1803

Complementary

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



33.0488, 33.8473, 42.8215



36.7388, 39.5856, 37.1586

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.



30.4585, 33.8473, 33.3083



33.0488, 33.8473, 42.8215



32.4081, 33.8473, 31.0328

Square

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



33.0488, 33.8473, 42.8215



34.1921, 33.8473, 34.4178



31.3086, 33.8473, 31.4683



30.2308, 33.8473, 39.4024

Rectangle

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



33.0488, 33.8473, 42.8215



34.2922, 33.8473, 38.6181



31.3086, 33.8473, 31.4683



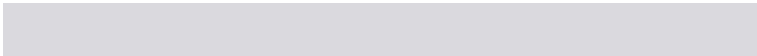
30.1389, 33.8473, 35.1443

Sweetspot

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



33.0498, 33.8487, 42.8222



66.9167, 69.9685, 78.9803



35.1674, 38.3718, 43.5837



14.9518, 15.6391, 17.6183



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.



33.0498, 33.8487, 42.8222



57.8952, 58.8711, 77.3137



34.4414, 34.5661, 42.8874



7.1795, 7.3251, 9.4538



5.4694, 2.2030, 28.1124



0.1481, 0.0613, 0.6847

Inverse Universe

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



35.6286, 35.1890, 42.4520



63.6089, 61.8410, 76.4807



35.2903, 38.8389, 37.0908



7.8185, 7.6573, 9.3613



16.7356, 8.1030, 24.4832



0.4138, 0.1998, 0.6304

Previews

White Background



This preview shows how the XYZ color 33.0488, 33.8473, 42.8215 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 33.0488, 33.8473, 42.8215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

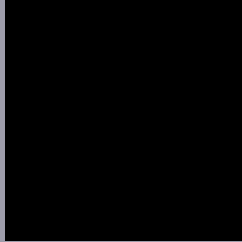
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0488, 33.8473, 42.8215

Background



This preview shows how black text looks on a background with the XYZ color 33.0488, 33.8473, 42.8215.

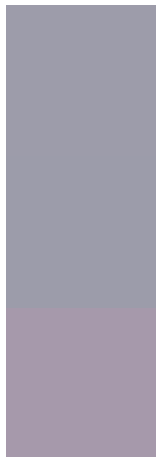


This preview shows how white text looks on a background with the XYZ color 33.0488, 33.8473,

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

33.0488, 33.8473, 42.8215

Protanopia

32.8545, 33.7471, 42.8124

Deuteranopia

34.4678, 33.8297, 43.2412



Tritanopia

32.9545, 33.8096, 42.3251

Trichromacy



Original Color

33.0488, 33.8473, 42.8215

Protanomaly

32.8545, 33.7471, 42.8124

Deuteranomaly

34.0105, 33.8380, 43.2669

Tritanomaly

32.9545, 33.8096, 42.3251

Monochromacy



Original Color

33.0488, 33.8473, 42.8215

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.6791, 33.9917, 39.0211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0488, 33.8473, 42.8215 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(157, 156, 170)` looks like.

```
.text, #text, p{  
    color:rgb(157, 156, 170)  
}
```

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(157, 156, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 156, 170) }
```

Border

The CSS property to change the border of an element to XYZ 33.0488, 33.8473, 42.8215 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(157, 156, 170) }
```


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

```
.border{ border-color:rgb(157, 156, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 156, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 156, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 156, 170);  
box-shadow:4px 4px 4px 4px rgb(157, 156,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0488, 33.8473, 42.8215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 156, 170) }
```

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

```
.background{ background-color: rgb(157,  
156, 170) }
```

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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