

Converting Colors

XYZ(33.0024, 32.9087, 34.1913)

Have a look what the booklet for
XYZ(33.0024, 32.9087, 34.1913)
contains.

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Color

**XYZ(33.0442, 33.0483,
34.3431)**

Conversions

Conversions Part 1

Format	Color
Hex	A89898
RGB	168, 152, 152
RGB Percent	66%, 60%, 60%
CMY	0.3412, 0.4039, 0.4039
CMYK	0.00, 0.10, 0.10, 0.34
HSL	0°, 8%, 63%
HSV	0°, 10%, 66%
XYZ	33.0442, 33.0483, 34.3431
YIQ	156.7840, 9.5360, 3.3920

Conversions

Conversions Part 2

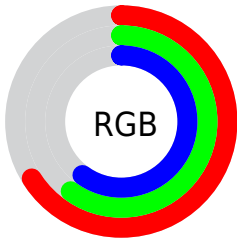
Format	Color
R_{YB}	168, 152, 152
Decimal	11049112
CIE Lab	64.20, 5.89, 2.13
CIE LCh	64, 6.264, 19.925
Yxy	33.0483, 0.3290, 0.3290
Android (android.graphics.Color)	4289239192 (0xFFA89898)
YUV	156.7840, -2.3585, 9.8364
Hunter-Lab	57.4877, 1.9993, 4.8215

Details

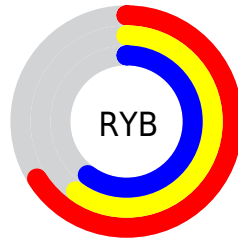
The XYZ color **33.0442, 33.0483, 34.3431** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0193, 37.5072, 42.4928**, and the grayscale version is **31.9588, 33.6231, 36.6156**.

A 20% lighter version of the original color is **63.6433, 64.2868, 67.4468**, and **14.2051, 13.9599, 14.2578** is the 20% darker color. If you saturate the color by 10%, you get **29.2289, 27.4657, 26.7568**, and if you desaturate by 10%, it is **37.4424, 39.4840, 43.0861**.

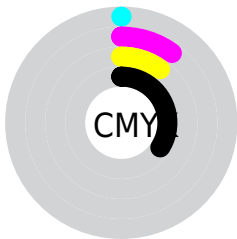
Distribution



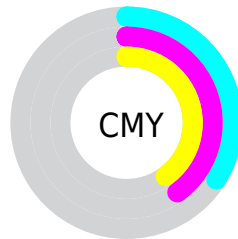
- Red (66%)
- Green (60%)
- Blue (60%)



- Red (66%)
- Yellow (60%)
- Blue (60%)



- Cyan (0%)
- Magenta (10%)
- Yellow (10%)
- Black (34%)



- Cyan (34%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0442, 33.0483, 34.3431 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 33.0442, 33.0483, 34.3431 by changing the saturation by 10% instead.

■ 33.0442, 33.0483,
34.3431

■ 33.0442, 33.0483,
34.3431

307.5103,
315.8673, 336.4750

■ 22.3197, 22.1634,
22.8778

■ 63.7987, 64.4509,
67.6068

■ 14.2099, 13.9770,
14.2989

■ 84.5595, 85.7375,
90.2424

■ 8.3495, 8.1047,
8.1877

109.3964,
111.2601, 117.4384

■ 4.3731, 4.1620,
4.1258

138.6748,
141.4031, 149.6135

■ 1.9153, 1.7646,
1.6946

172.7600,
176.5510, 187.1861

■ 0.5857, 0.4650,
0.3570

212.0174,

■ 0.0000, 0.0000,

217.0880, 230.5749

0.0000

256.8124,
263.3987, 280.1983

■ 33.0442, 33.0483,
34.3431

■ 33.0442, 33.0483,
34.3431

■ 29.2289, 27.4657,
26.7568

■ 37.4424, 39.4840,
43.0861

■ 25.9694, 22.6962,
20.2768

■ 42.4436, 46.8018,
53.0291

■ 23.2406, 18.7032,
14.8520

■ 48.0702, 55.0349,
64.2158

■ 21.0145, 15.4457,
10.4266

■ 54.3430, 64.2133,
76.6872

■ 19.2603, 12.8789,
6.9397

■ 61.2815, 74.3657,
90.4822

■ 17.9442, 10.9528,
4.3235

■ 68.9044, 85.5196,
105.6382

■ 17.0274, 9.6113,
2.5016

■ 69.9586, 87.0649,
107.7257

■ 16.4649, 8.7880,
1.3837

■ 16.1621, 8.3447,
0.7818

Harmonies

Analogous

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



33.1227, 33.0483, 36.8463



33.0442, 33.0483, 34.3431



32.5236, 33.0483, 32.3703

Triad

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



33.0442, 33.0483, 34.3431



30.1229, 33.0483, 32.9267



31.1136, 33.0483, 41.0166

Complementary

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



33.0442, 33.0483, 34.3431



34.0193, 37.5072, 42.4928

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.



30.3249, 33.0483, 39.8571



33.0442, 33.0483, 34.3431



29.7601, 33.0483, 35.1352

Square

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



33.0442, 33.0483, 34.3431



30.8331, 33.0483, 31.5796



29.8333, 33.0483, 37.6763



31.9969, 33.0483, 40.7800

Rectangle

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



33.0442, 33.0483, 34.3431



32.0012, 33.0483, 31.5836



29.8333, 33.0483, 37.6763



30.8290, 33.0483, 40.7752

Sweetspot

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



33.0451, 33.0498, 34.3438



65.0030, 67.3455, 72.3382



34.4450, 33.6089, 41.7180



14.0289, 14.4751, 15.4904



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.0451, 33.0498, 34.3438



58.7299, 58.1664, 59.8666



34.3872, 35.7339, 34.7912



7.5312, 7.5425, 7.8482



12.1950, 6.2872, 0.5708



0.2967, 0.1530, 0.0139

Inverse Universe

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



34.0193, 37.5072, 42.4928



60.7859, 67.5734, 77.0643



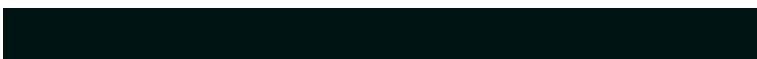
32.5880, 34.6447, 42.0157



7.7475, 8.5318, 9.6568



15.9073, 23.2748, 31.6296



0.3871, 0.5664, 0.7696

Previews

White Background



This preview shows how the XYZ color 33.0442, 33.0483, 34.3431 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 33.0442, 33.0483, 34.3431 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 33.0442, 33.0483, 34.3431

Background



This preview shows how black text looks on a background with the XYZ color 33.0442, 33.0483, 34.3431.



This preview shows how white text looks on a background with the XYZ color 33.0442, 33.0483, 34.3431.

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

33.0442, 33.0483, 34.3431

Protanopia

31.8522, 33.1467, 35.2910

Deuteranopia

33.7474, 33.1709, 34.3297



Tritanopia

33.7901, 32.8563, 38.7434

Trichromacy



Original Color

33.0442, 33.0483, 34.3431

Protanomaly

32.2057, 33.0925, 34.8271

Deuteranomaly

33.5287, 33.0581, 34.3195

Tritanomaly

33.6003, 33.0369, 36.9536

Monochromacy



Original Color

33.0442, 33.0483, 34.3431

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.3357, 33.3863, 35.7503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0442, 33.0483, 34.3431 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(168, 152, 152)` looks like.

```
.text, #text, p{  
    color:rgb(168, 152, 152)  
}
```

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(168, 152, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 152, 152) }
```

Border

The CSS property to change the border of an element to XYZ 33.0442, 33.0483, 34.3431 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(168, 152, 152) }
```


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

```
.border{ border-color:rgb(168, 152, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 152, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 152, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 152, 152);  
box-shadow:4px 4px 4px 4px rgb(168, 152,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0442, 33.0483, 34.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 152, 152) }
```

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

```
.background{ background-color: rgb(168,  
152, 152) }
```

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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