

Converting Colors

XYZ(33.1291, 38.1034, 32.4086)

Have a look what the booklet for
XYZ(33.1291, 38.1034, 32.4086)
contains.

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Color

**XYZ(33.1913, 38.1387,
32.4002)**

Conversions

Conversions Part 1

Format	Color
Hex	9BAB91
RGB	155, 171, 145
RGB Percent	61%, 67%, 57%
CMY	0.3922, 0.3294, 0.4314
CMYK	0.09, 0.00, 0.15, 0.33
HSL	97°, 13%, 62%
HSV	97°, 15%, 67%
XYZ	33.1913, 38.1387, 32.4002
YIQ	163.2520, -1.1900, -11.4780

Conversions

Conversions Part 2

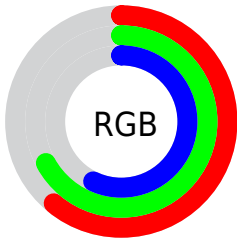
Format	Color
RYB	145, 171, 161
Decimal	10202001
CIELab	68.12, -10.50, 11.52
CIELCh	68, 15.583, 132.356
Yxy	38.1387, 0.3200, 0.3677
Android (android.graphics.Color)	4288392081 (0xFF9BAB91)
YUV	163.2520, -8.9982, -7.2370
Hunter-Lab	61.7565, -12.1384, 12.1234

Details

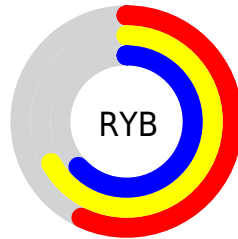
The XYZ color **33.1913, 38.1387, 32.4002** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1755, 30.7692, 42.7733**, and the grayscale version is **34.9743, 36.7957, 40.0705**.

A 20% lighter version of the original color is **64.0835, 72.2179, 64.5947**, and **14.3713, 16.9629, 13.3432** is the 20% darker color. If you saturate the color by 10%, you get **30.0384, 36.6555, 25.8800**, and if you desaturate by 10%, it is **36.7208, 39.7954, 39.9758**.

Distribution



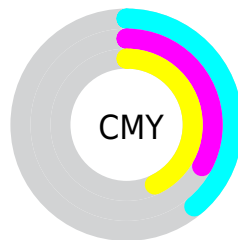
- Red (61%)
- Green (67%)
- Blue (57%)



- Red (57%)
- Yellow (67%)
- Blue (63%)



- Cyan (9%)
- Magenta (0%)
- Yellow (15%)
- Black (33%)





- Cyan (39%)
- Magenta (33%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1913, 38.1387, 32.4002 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 33.1913, 38.1387, 32.4002 by changing the saturation by 10% instead.


 33.1913, 38.1387,
32.4002


 33.1913, 38.1387,
32.4002


308.1606,
338.2146, 327.4870

 22.4330, 26.0904,
21.4000


 64.0268, 72.3207,
64.5431

 14.2938, 16.8912,
13.2226

 84.8346, 95.2231,
86.5230

 8.4083, 10.1570,
7.4495


109.7230,
122.5123, 112.9997

 4.4113, 5.5032,
3.6621

139.0573,
154.5728, 144.3920

 1.9374, 2.5454,
1.4419

173.2028,
191.7888, 181.1184

 0.5984, 0.8993,
0.1740

212.5250,

 0.0000, 0.0000,

234.5449, 223.5973

0.0000

257.3892,
283.2253, 272.2473

■ 33.1913, 38.1387,
32.4002

■ 33.1913, 38.1387,
32.4002

■ 30.0384, 36.6555,
25.8800

■ 36.7208, 39.7954,
39.9758

■ 27.2458, 35.3350,
20.3658

■ 40.6365, 41.6261,
48.6480

■ 24.8003, 34.1727,
15.8081


■ 44.9514, 43.6378,
58.4591


■ 22.6867, 33.1618,
12.1525


■ 49.6768, 45.8355,
69.4482


■ 20.8886, 32.2953,
9.3386


■ 54.8239, 48.2241,
81.6527


 19.3879, 31.5652,
7.2990


 60.4030, 50.8082,
95.1084


 18.1641, 30.9628,
5.9557

 64.8220, 52.9513,
101.4119

 17.1929, 30.4776,
5.2120

 68.2764, 54.7322,
101.5735

 16.7943, 30.2773,
4.9589

 71.9378, 56.6197,
101.7449

Harmonies

Analogous

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



35.2588, 38.1387, 29.7762



33.1913, 38.1387, 32.4002



31.9760, 38.1387, 37.6003

Triad

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



33.1913, 38.1387, 32.4002



34.8515, 38.1387, 55.6319



41.0093, 38.1387, 38.7279

Complementary

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



33.1913, 38.1387, 32.4002



32.1755, 30.7692, 42.7733

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.



40.8882, 38.1387, 45.7171



33.1913, 38.1387, 32.4002



37.2589, 38.1387, 56.0212

Square

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



33.1913, 38.1387, 32.4002



32.9046, 38.1387, 51.2126



39.4904, 38.1387, 52.2235



39.8141, 38.1387, 33.1460

Rectangle

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



33.1913, 38.1387, 32.4002



31.7778, 38.1387, 42.0791



39.4904, 38.1387, 52.2235



41.1226, 38.1387, 40.9788

Sweetspot

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



33.1923, 38.1403, 32.4010



65.8401, 71.3045, 71.7617



34.5820, 36.0539, 31.9251



14.5814, 15.8538, 15.7826



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.



33.1923, 38.1403, 32.4010



57.6140, 67.4441, 54.1924



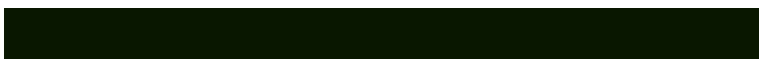
31.5548, 37.2727, 33.3832



8.1848, 9.0839, 8.5353



12.7149, 22.8518, 3.7407



0.4159, 0.6678, 0.1070

Inverse Universe

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



32.1755, 30.7692, 42.7733



55.4665, 51.8804, 76.0924



34.0266, 31.7518, 41.5786



8.0342, 7.9920, 10.0718



10.0145, 4.5226, 29.3896



0.3372, 0.1560, 0.8203

Previews

White Background



This preview shows how the XYZ color 33.1913, 38.1387, 32.4002 looks on a white background.

Color Contrast Check

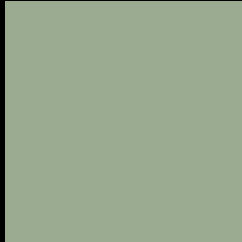
Large Text (above 18pt) WCAG AA × Fail

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 33.1913, 38.1387, 32.4002 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 33.1913, 38.1387, 32.4002

Background



This preview shows how black text looks on a background with the XYZ color 33.1913, 38.1387, 32.4002.



This preview shows how white text looks on a background with the XYZ color 33.1913, 38.1387,

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

33.1913, 38.1387, 32.4002

Protanopia

35.7932, 37.8619, 31.0128

Deuteranopia

38.8235, 38.0670, 32.9052



Tritanopia

36.2701, 38.0007, 48.0711

Trichromacy



Original Color

33.1913, 38.1387, 32.4002

Protanomaly

34.7130, 37.8361, 31.4601

Deuteranomaly

36.5952, 37.9734, 32.5949

Tritanomaly

35.0782, 38.0644, 42.0576

Monochromacy



Original Color

33.1913, 38.1387, 32.4002

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.1342, 37.1463, 36.8234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1913, 38.1387, 32.4002 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(155, 171, 145)` looks like.

```
.text, #text, p{  
    color:rgb(155, 171, 145)  
}
```

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(155, 171, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 171, 145) }
```

Border

The CSS property to change the border of an element to XYZ 33.1913, 38.1387, 32.4002 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(155, 171, 145) }
```


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

```
.border{ border-color:rgb(155, 171, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 171, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 171, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 171, 145);  
box-shadow:4px 4px 4px 4px rgb(155, 171,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1913, 38.1387, 32.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 171, 145) }
```

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

```
.background{ background-color: rgb(155,  
171, 145) }
```

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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