

Converting Colors

XYZ(33.2248, 36.2237, 37.5326)

Have a look what the booklet for
XYZ(33.2248, 36.2237, 37.5326)
contains.

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Color

**XYZ(33.1573, 36.0875,
37.5658)**

Conversions

Conversions Part 1

Format	Color
Hex	9CA49E
RGB	156, 164, 158
RGB Percent	61%, 64%, 62%
CMY	0.3882, 0.3568, 0.3804
CMYK	0.05, 0.00, 0.04, 0.36
HSL	135°, 4%, 63%
HSV	135°, 5%, 64%
XYZ	33.1573, 36.0875, 37.5658
YIQ	160.9240, -2.8420, -3.5620

Conversions

Conversions Part 2

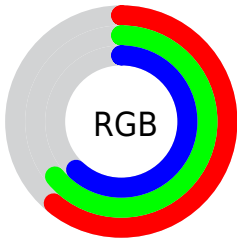
Format	Color
RYB	156, 162, 164
Decimal	10265758
CIELab	66.59, -4.00, 2.12
CIElCh	67, 4.524, 152.089
Yxy	36.0875, 0.3104, 0.3379
Android (android.graphics.Color)	4288455838 (0xFF9CA49E)
YUV	160.9240, -1.4415, -4.3183
Hunter-Lab	60.0729, -6.6042, 4.9748

Details

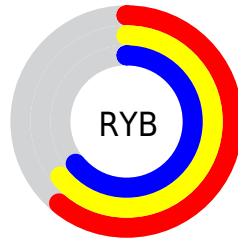
The XYZ color **33.1573, 36.0875, 37.5658** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.7212, 34.2789, 39.0233**, and the grayscale version is **33.8493, 35.6121, 38.7815**.

A 20% lighter version of the original color is **63.9201, 69.1688, 72.9327**, and **14.2737, 15.6531, 16.1790** is the 20% darker color. If you saturate the color by 10%, you get **29.1892, 34.1592, 32.1270**, and if you desaturate by 10%, it is **37.6620, 38.2822, 43.5845**.

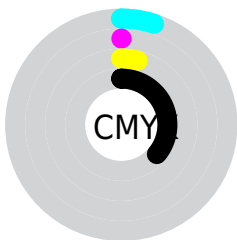
Distribution



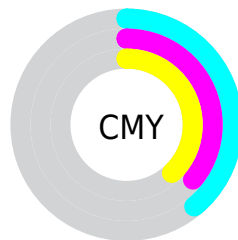
- Red (61%)
- Green (64%)
- Blue (62%)



- Red (61%)
- Yellow (64%)
- Blue (64%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (36%)



- Cyan (39%)
- Magenta (36%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1573, 36.0875, 37.5658 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 33.1573, 36.0875, 37.5658 by changing the saturation by 10% instead.

■ 33.1573, 36.0875,
37.5658

■ 33.1573, 36.0875,
37.5658

308.0104,
329.3428, 350.9959

■ 22.4068, 24.5018,
25.3467

■ 63.9741, 69.1671,
72.6382

■ 14.2744, 15.7063,
16.1141

■ 84.7710, 91.4298,
96.3284

■ 8.3947, 9.3165,
9.4497

109.6475,
118.0202, 124.6795

■ 4.4025, 4.9482,
4.9349

138.9689,
149.3228, 158.1100

■ 1.9322, 2.2169,
2.1510

173.1005,
185.7220, 197.0383

■ 0.5955, 0.7292,
0.6459

212.4078,

■ 0.0000, 0.0000,

227.6021, 241.8830

0.0000

257.2559,
275.3476, 293.0627

■ 33.1573, 36.0875,
37.5658

■ 33.1573, 36.0875,
37.5658

■ 29.1892, 34.1592,
32.1270

■ 37.6620, 38.2822,
43.5845

■ 25.7345, 32.4826,
27.2487

■ 42.7193, 40.7482,
50.1972

■ 22.7728, 31.0487,
22.9135

■ 48.3483, 43.4961,
57.4203

■ 20.2810, 29.8459,
19.1028

■ 54.5663, 46.5343,
65.2692

■ 18.2344, 28.8619,
15.7964

■ 61.3900, 49.8712,
73.7582

■ 16.6058, 28.0831,
12.9731

■ 68.8351, 53.5146,
82.9017

■ 15.3648, 27.4944,
10.6100

■ 70.8617, 54.3506,
92.4299

■ 14.4770, 27.0784,
8.6825

■ 72.5662, 55.0324,
101.4054

■ 13.9003, 26.8142,
7.1634

Harmonies

Analogous

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



33.6100, 36.0875, 36.2045



33.1573, 36.0875, 37.5658



33.0096, 36.0875, 39.4299

Triad

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



33.1573, 36.0875, 37.5658



34.3478, 36.0875, 43.1564



35.4201, 36.0875, 37.3368

Complementary

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



33.1573, 36.0875, 37.5658



33.7212, 34.2789, 39.0233

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.



35.6237, 36.0875, 39.1568



33.1573, 36.0875, 37.5658



34.9996, 36.0875, 42.5527

Square

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



33.1573, 36.0875, 37.5658



33.6915, 36.0875, 42.6968



35.4688, 36.0875, 41.0727



34.9159, 36.0875, 36.0753

Rectangle

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



33.1573, 36.0875, 37.5658



33.1024, 36.0875, 40.7186



35.4688, 36.0875, 41.0727



35.5263, 36.0875, 37.9014

Sweetspot

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



33.1583, 36.0890, 37.5666



63.2240, 66.9836, 72.2774



34.2051, 36.6484, 36.7239



13.8324, 14.6490, 15.8152



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.1583, 36.0890, 37.5666



59.2447, 65.0468, 66.9126



33.4967, 36.2244, 39.3483



7.3096, 8.0466, 8.2477



10.5025, 20.4873, 5.0967



0.2383, 0.4375, 0.2000

Inverse Universe

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



33.7212, 34.2789, 39.0233



60.5141, 60.9645, 70.1977



33.3825, 34.1434, 37.2396



7.4761, 7.5112, 8.6786



14.5001, 7.1561, 15.0902



0.3218, 0.1572, 0.4074

Previews

White Background



This preview shows how the XYZ color 33.1573, 36.0875, 37.5658 looks on a white background.

Color Contrast Check

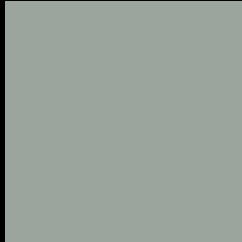
Large Text (above 18pt) WCAG AA × Fail

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 33.1573, 36.0875, 37.5658 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 33.1573, 36.0875, 37.5658

Background



This preview shows how black text looks on a background with the XYZ color 33.1573, 36.0875, 37.5658.



This preview shows how white text looks on a background with the XYZ color 33.1573, 36.0875,

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

33.1573, 36.0875, 37.5658

Protanopia

34.4715, 35.9970, 36.5838

Deuteranopia

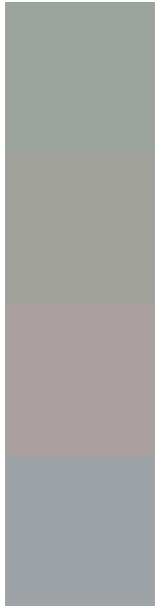
36.6751, 36.0821, 37.8324



Tritanopia

34.8584, 36.2676, 45.2075

Trichromacy



Original Color

33.1573, 36.0875, 37.5658

Protanomaly

33.9064, 35.9564, 37.0515

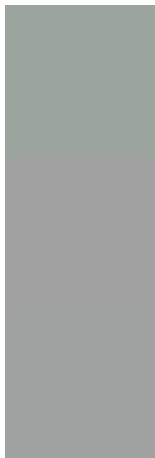
Deuteranomaly

35.4064, 36.1909, 37.9203

Tritanomaly

34.2656, 36.2906, 42.2446

Monochromacy



Original Color

33.1573, 36.0875, 37.5658

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.5636, 35.7497, 38.3891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1573, 36.0875, 37.5658 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(156, 164, 158)` looks like.

```
.text, #text, p{  
    color:rgb(156, 164, 158)  
}
```

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(156, 164, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 164, 158) }
```

Border

The CSS property to change the border of an element to XYZ 33.1573, 36.0875, 37.5658 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(156, 164, 158) }
```


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

```
.border{ border-color:rgb(156, 164, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 164, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 164, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 164, 158);  
box-shadow:4px 4px 4px 4px rgb(156, 164,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1573, 36.0875, 37.5658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 164, 158) }
```

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

```
.background{ background-color: rgb(156,  
164, 158) }
```

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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