

Converting Colors

XYZ(33.7305, 36.8279, 38.0514)

Have a look what the booklet for
XYZ(33.7305, 36.8279, 38.0514)
contains.

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Color

**XYZ(33.7989, 36.9437,
38.1504)**

Conversions

Conversions Part 1

Format	Color
Hex	9DA69F
RGB	157, 166, 159
RGB Percent	62%, 65%, 62%
CMY	0.3843, 0.3490, 0.3765
CMYK	0.05, 0.00, 0.04, 0.35
HSL	133°, 5%, 63%
HSV	133°, 5%, 65%
XYZ	33.7989, 36.9437, 38.1504
YIQ	162.5110, -3.1170, -4.0850

Conversions

Conversions Part 2

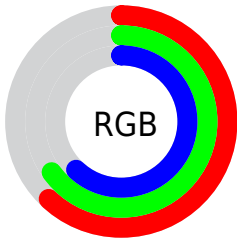
Format	Color
RYB	157, 164, 166
Decimal	10331807
CIELab	67.23, -4.54, 2.51
CIELCh	67, 5.184, 151.028
Yxy	36.9437, 0.3104, 0.3393
Android (android.graphics.Color)	4288521887 (0xFF9DA69F)
YUV	162.5110, -1.7309, -4.8331
Hunter-Lab	60.7813, -7.1082, 5.3326

Details

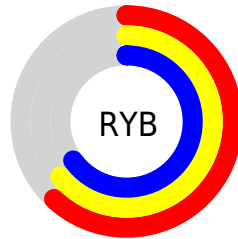
The XYZ color **33.7989, 36.9437, 38.1504** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.4851, 34.9023, 40.0430**, and the grayscale version is **34.5922, 36.3937, 39.6327**.

A 20% lighter version of the original color is **65.1454, 70.5650, 73.8052**, and **14.6679, 16.1815, 16.5376** is the 20% darker color. If you saturate the color by 10%, you get **29.7150, 34.9622, 32.4126**, and if you desaturate by 10%, it is **38.4420, 39.2020, 44.5270**.

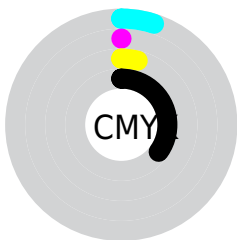
Distribution



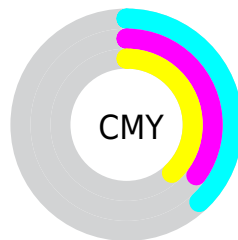
- Red (62%)
- Green (65%)
- Blue (62%)



- Red (62%)
- Yellow (64%)
- Blue (65%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (35%)



- Cyan (38%)
- Magenta (35%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7989, 36.9437, 38.1504 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 33.7989, 36.9437, 38.1504 by changing the saturation by 10% instead.

■ 33.7989, 36.9437,
38.1504

■ 33.7989, 36.9437,
38.1504

310.8361,
333.0667, 353.5822

■ 22.9013, 25.1639,
25.7967

■ 64.9672, 70.4862,
73.5446

■ 14.6409, 16.1992,
16.4472

■ 85.9686, 93.0177,
97.4221

■ 8.6525, 9.6652,
9.6834

111.0687,
119.9018, 125.9781

■ 4.5705, 5.1776,
5.0867

140.6327,
151.5231, 159.6309

■ 2.0297, 2.3518,
2.2386

175.0261,
188.2658, 198.7992

■ 0.6505, 0.8009,
0.6965

214.6143,

■ 0.0000, 0.0000,

230.5144, 243.9015

0.0000

259.7625,
278.6532, 295.3563

■ 33.7989, 36.9437,
38.1504

■ 33.7989, 36.9437,
38.1504

■ 29.7150, 34.9622,
32.4126

■ 38.4420, 39.2020,
44.5270

■ 26.1661, 33.2424,
27.2915

■ 43.6613, 41.7424,
51.5589

■ 23.1306, 31.7745,
22.7673

■ 49.4769, 44.5759,
59.2647

■ 20.5843, 30.5466,
18.8181

■ 55.9069, 47.7115,
67.6619

■ 18.5010, 29.5457,
15.4209

■ 62.9687, 51.1578,
76.7671

■ 16.8521, 28.7574,
12.5509

■ 70.0866, 54.6177,
86.5688

■ 15.6056, 28.1660,
10.1816

■ 72.0366, 55.3977,
96.8373

■ 14.7248, 27.7530,
8.2839

■ 72.9269, 55.7538,
101.5256

■ 14.1642, 27.4957,
6.8259

Harmonies

Analogous

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



34.3351, 36.9437, 36.6040



33.7989, 36.9437, 38.1504



33.6138, 36.9437, 40.3036

Triad

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



33.7989, 36.9437, 38.1504



35.1412, 36.9437, 44.7437



36.4345, 36.9437, 38.0198

Complementary

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



33.7989, 36.9437, 38.1504



34.4851, 34.9023, 40.0430

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.



36.6580, 36.9437, 40.1473



33.7989, 36.9437, 38.1504



35.9044, 36.9437, 44.0781

Square

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



33.7989, 36.9437, 38.1504



34.3817, 36.9437, 44.1612



36.4625, 36.9437, 42.3743



35.8564, 36.9437, 36.5307

Rectangle

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



33.7989, 36.9437, 38.1504



33.7121, 36.9437, 41.8101



36.4625, 36.9437, 42.3743



36.5540, 36.9437, 38.6813

Sweetspot

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



33.7999, 36.9453, 38.1512



64.0779, 68.3790, 73.0239



35.0436, 37.6063, 37.3107



14.3605, 15.3122, 16.3705



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.



33.7999, 36.9453, 38.1512



60.0046, 66.3999, 67.3786



34.1933, 37.1026, 40.2229



7.6845, 8.5224, 8.6206



10.8467, 21.2575, 4.9597



0.2821, 0.5245, 0.2165

Inverse Universe

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



34.4851, 34.9023, 40.0430



61.6210, 61.5799, 71.8419



34.0899, 34.7443, 37.9622



7.9008, 7.8774, 9.2179



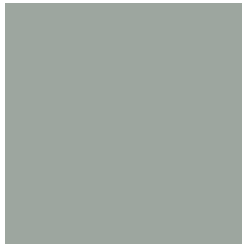
15.2917, 7.5254, 16.8794



0.3892, 0.1900, 0.5012

Previews

White Background



This preview shows how the XYZ color 33.7989, 36.9437, 38.1504 looks on a white background.

Color Contrast Check

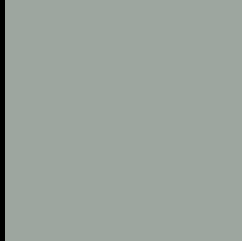
Large Text (above 18pt) WCAG AA × Fail

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 33.7989, 36.9437, 38.1504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

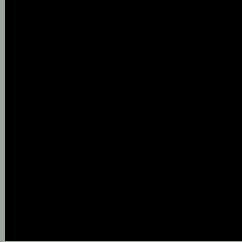
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

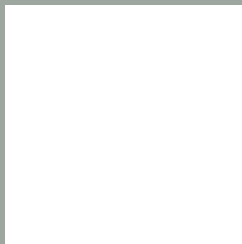
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7989, 36.9437, 38.1504

Background



This preview shows how black text looks on a background with the XYZ color 33.7989, 36.9437, 38.1504.



This preview shows how white text looks on a background with the XYZ color 33.7989, 36.9437,

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

33.7989, 36.9437, 38.1504

Protanopia

35.3314, 36.9535, 37.1689

Deuteranopia

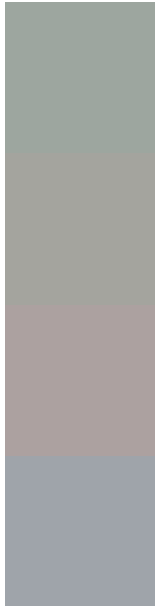
37.4823, 36.7302, 38.8323



Tritanopia

35.4309, 36.8026, 46.3105

Trichromacy



Original Color

33.7989, 36.9437, 38.1504

Protanomaly

34.7569, 36.9121, 37.6406

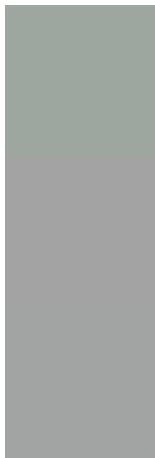
Deuteranomaly

36.1033, 36.7985, 38.4577

Tritanomaly

34.8292, 36.8241, 43.3023

Monochromacy



Original Color

33.7989, 36.9437, 38.1504

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.4950, 36.7366, 39.4552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7989, 36.9437, 38.1504 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, 166, 159)` looks like.

```
.text, #text, p{  
    color:rgb(157, 166, 159)  
}
```

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, 166, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 166, 159) }
```

Border

The CSS property to change the border of an element to XYZ 33.7989, 36.9437, 38.1504 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, 166, 159) }
```


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

```
.border{ border-color:rgb(157, 166, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 166, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 166, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 166, 159);  
box-shadow:4px 4px 4px 4px rgb(157, 166,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7989, 36.9437, 38.1504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 166, 159) }
```

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

```
.background{ background-color: rgb(157,  
166, 159) }
```

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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