

Converting Colors

XYZ(37.0077, 39.3202, 36.5669)

Have a look what the booklet for
XYZ(37.0077, 39.3202, 36.5669)
contains.

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Color

**XYZ(37.1176, 39.5131,
36.6808)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA99B
RGB	172, 169, 155
RGB Percent	67%, 66%, 61%
CMY	0.3255, 0.3372, 0.3922
CMYK	0.00, 0.02, 0.10, 0.33
HSL	49°, 9%, 64%
HSV	49°, 10%, 67%
XYZ	37.1176, 39.5131, 36.6808
YIQ	168.3010, 6.2820, -3.7180

Conversions

Conversions Part 2

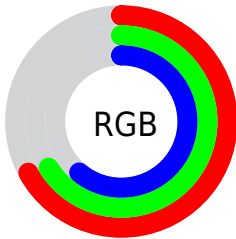
Format	Color
RYB	159, 172, 155
Decimal	11315611
CIELab	69.12, -1.43, 7.60
CIELCh	69, 7.732, 100.683
Yxy	39.5131, 0.3276, 0.3487
Android (android.graphics.Color)	4289505691 (0xFFACA99B)
YUV	168.3010, -6.5574, 3.2440
Hunter-Lab	62.8594, -4.6023, 9.4037

Details

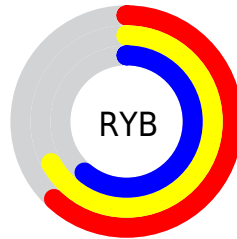
The XYZ color **37.1176, 39.5131, 36.6808** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.1908, 34.4003, 43.9207**, and the grayscale version is **37.3973, 39.3448, 42.8465**.

A 20% lighter version of the original color is **69.8428, 74.2457, 70.9713**, and **16.6057, 17.7151, 15.6408** is the 20% darker color. If you saturate the color by 10%, you get **35.2177, 37.8623, 29.4213**, and if you desaturate by 10%, it is **39.2386, 41.2759, 45.0301**.

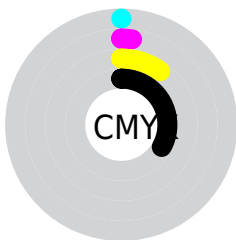
Distribution



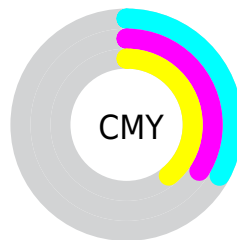
- Red (67%)
- Green (66%)
- Blue (61%)



- Red (62%)
- Yellow (67%)
- Blue (61%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (33%)



- Cyan (33%)
- Magenta (34%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1176, 39.5131, 36.6808 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 37.1176, 39.5131, 36.6808 by changing the saturation by 10% instead.

■ 37.1176, 39.5131,
36.6808

■ 37.1176, 39.5131,
36.6808

325.1661,
344.0671, 347.0535

■ 25.4726, 27.1591,
24.6666

■ 70.0663, 74.4215,
71.2624

■ 16.5601, 17.6928,
15.6121

■ 92.1007, 97.7447,
94.6669

■ 10.0147, 10.7296,
9.0987

118.3290,
125.4931, 122.7052

■ 5.4711, 5.8853,
4.7079

149.1166,
158.0512, 155.7960

■ 2.5638, 2.7755,
2.0212

184.8287,
195.8032, 194.3576

■ 0.9275, 1.0157,
0.5683

225.8307,

■ 0.0000, 0.0000,

239.1336, 238.8087

0.0000

272.4881,
288.4267, 289.5678

■ 37.1176, 39.5131,
36.6808

■ 37.1176, 39.5131,
36.6808

■ 35.2177, 37.8623,
29.4213

■ 39.2386, 41.2759,
45.0301

■ 33.5268, 36.3146,
23.2035

■ 41.5856, 43.1488,
54.5096

■ 32.0367, 34.8678,
17.9794

■ 44.1676, 45.1370,
65.1608

■ 30.7373, 33.5179,
13.6962

■ 46.9919, 47.2434,
77.0221

■ 29.6175, 32.2602,
10.2962

■ 50.0655, 49.4710,
90.1305

■ 28.6652, 31.0896,
7.7154

■ 52.8754, 51.6148,
101.7836

■ 27.8663, 30.0006,
5.8812

■ 53.5264, 52.9167,
102.0005

■ 27.2047, 28.9863,
4.7080

■ 54.1910, 54.2459,
102.2221

■ 26.6453, 28.0328,
4.0123

■ 54.8694, 55.6027,
102.4482

Harmonies

Analogous

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



38.3470, 39.5131, 36.9196



37.1176, 39.5131, 36.6808



36.0294, 39.5131, 38.0696

Triad

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



37.1176, 39.5131, 36.6808



35.7841, 39.5131, 47.6098



39.8416, 39.5131, 45.3120

Complementary

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



37.1176, 39.5131, 36.6808



33.1908, 34.4003, 43.9207

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.



39.1252, 39.5131, 48.3886



37.1176, 39.5131, 36.6808



36.7760, 39.5131, 49.7646

Square

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



37.1176, 39.5131, 36.6808



35.2708, 39.5131, 44.2959



37.9979, 39.5131, 50.0572



39.9379, 39.5131, 41.7748

Rectangle

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



37.1176, 39.5131, 36.6808



35.5235, 39.5131, 39.7786



37.9979, 39.5131, 50.0572



39.6646, 39.5131, 46.4393

Sweetspot

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



37.1187, 39.5148, 36.6816



69.9208, 73.8453, 76.6705



34.9167, 34.6865, 37.2558



15.1282, 15.9928, 16.3967



82.5889, 86.8899, 94.6231



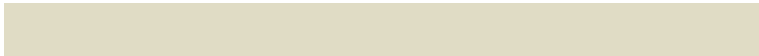
15.4596, 16.2647, 17.7123

Same Dimension

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



37.1187, 39.5148, 36.6816



66.4991, 70.9687, 63.3008



36.5249, 40.0459, 36.8154



8.5408, 9.0864, 8.5171



19.8594, 20.9242, 2.9921



0.5835, 0.6441, 0.0936

Inverse Universe

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



33.1908, 34.4003, 43.9207



57.8306, 59.6815, 79.2775



33.7422, 33.9350, 43.8018



7.6888, 7.9771, 10.0872



5.9224, 2.9786, 29.3073



0.1981, 0.1495, 0.8264

Previews

White Background



This preview shows how the XYZ color 37.1176, 39.5131, 36.6808 looks on a white background.

Color Contrast Check

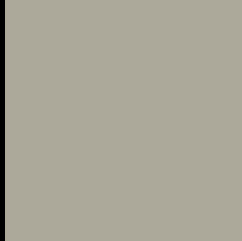
Large Text (above 18pt) WCAG AA × Fail

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 37.1176, 39.5131, 36.6808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

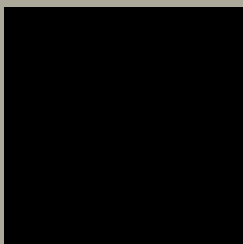
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

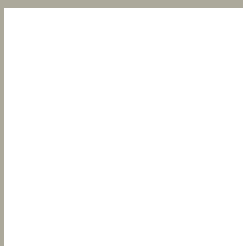
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1176, 39.5131, 36.6808

Background



This preview shows how black text looks on a background with the XYZ color 37.1176, 39.5131, 36.6808.



This preview shows how white text looks on a background with the XYZ color 37.1176, 39.5131,

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

37.1176, 39.5131, 36.6808

Protanopia

37.5982, 39.4858, 36.6502

Deuteranopia

40.3331, 39.5418, 36.9590



Tritanopia

39.4521, 39.6411, 48.2200

Trichromacy



Original Color

37.1176, 39.5131, 36.6808

Protanomaly

37.3746, 39.3705, 36.6398

Deuteranomaly

38.9843, 39.3778, 36.9985

Tritanomaly

38.5300, 39.5384, 43.6311

Monochromacy



Original Color

37.1176, 39.5131, 36.6808

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.9757, 39.0846, 40.2456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1176, 39.5131, 36.6808 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(172, 169, 155)` looks like.

```
.text, #text, p{  
    color:rgb(172, 169, 155)  
}
```

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(172, 169, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 169, 155) }
```

Border

The CSS property to change the border of an element to XYZ 37.1176, 39.5131, 36.6808 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(172, 169, 155) }
```


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

```
.border{ border-color:rgb(172, 169, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 169, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 169, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 169, 155);  
box-shadow:4px 4px 4px 4px rgb(172, 169,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1176, 39.5131, 36.6808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 169, 155) }
```

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

```
.background{ background-color: rgb(172,  
169, 155) }
```

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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