

Converting Colors

XYZ(36.9959, 38.7398, 42.8208)

Have a look what the booklet for
XYZ(36.9959, 38.7398, 42.8208)
contains.

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Color

**XYZ(37.1286, 38.8268,
43.0736)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A7A9
RGB	168, 167, 169
RGB Percent	66%, 65%, 66%
CMY	0.3412, 0.3451, 0.3372
CMYK	0.01, 0.01, 0.00, 0.34
HSL	270°, 1%, 66%
HSV	270°, 1%, 66%
XYZ	37.1286, 38.8268, 43.0736
YIQ	167.5270, -0.0460, 0.8340

Conversions

Conversions Part 2

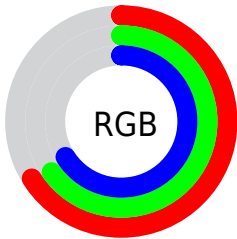
Format	Color
RYB	168, 167, 169
Decimal	11052969
CIELab	68.63, 0.74, -0.91
CIELCh	69, 1.174, 309.032
Yxy	38.8268, 0.3119, 0.3262
Android (android.graphics.Color)	4289243049 (0xFFA8A7A9)
YUV	167.5270, 0.7262, 0.4148
Hunter-Lab	62.3112, -2.6839, 2.6326

Details

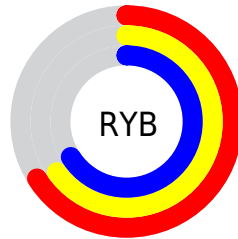
The XYZ color **37.1286, 38.8268, 43.0736** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.3129, 39.4918, 42.2172**, and the grayscale version is **36.9852, 38.9113, 42.3745**.

A 20% lighter version of the original color is **70.0072, 73.3123, 80.9819**, and **16.5441, 17.2588, 19.2889** is the 20% darker color. If you saturate the color by 10%, you get **32.4898, 32.1367, 42.0274**, and if you desaturate by 10%, it is **42.2915, 46.3899, 44.2619**.

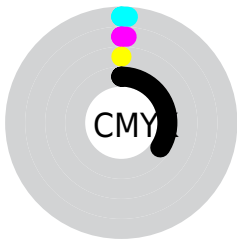
Distribution



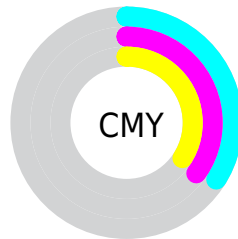
- Red (66%)
- Green (65%)
- Blue (66%)



- Red (66%)
- Yellow (65%)
- Blue (66%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (34%)



- Cyan (34%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1286, 38.8268, 43.0736 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 37.1286, 38.8268, 43.0736 by changing the saturation by 10% instead.

■ 37.1286, 38.8268,
43.0736

■ 37.1286, 38.8268,
43.0736

325.2128,
341.1536, 374.8445

■ 25.4812, 26.6250,
29.6110

■ 70.0831, 73.3737,
81.1095

■ 16.5666, 17.2918,
19.2940

■ 92.1209, 96.4875,
106.5198

■ 10.0193, 10.4428,
11.7039

118.3528,
124.0075, 136.7499

■ 5.4741, 5.6935,
6.4223

149.1443,
156.3181, 172.2182

■ 2.5656, 2.6596,
3.0306

184.8607,
193.8035, 213.3433

■ 0.9285, 0.9567,
1.1103

225.8674,

■ 0.0000, 0.0000,

236.8484, 260.5436

0.0000

272.5296,
285.8369, 314.2379

■ 37.1286, 38.8268,
43.0736

■ 37.1286, 38.8268,
43.0736

■ 32.4898, 32.1367,
42.0274

■ 42.2915, 46.3899,
44.2619

■ 28.3539, 26.2823,
41.1153

■ 47.9920, 54.8516,
45.5947

■ 24.7033, 21.2309,
40.3327

■ 54.2473, 64.2425,
47.0777

■ 21.5179, 16.9460,
39.6735

■ 61.0728, 74.5904,
48.7153

■ 18.7759, 13.3877,
39.1312

■ 68.4832, 85.9218,
50.5119

■ 16.4539, 10.5128,
38.6987

■ 72.0663, 89.4093,
50.9962

■ 14.5258, 8.2731,
38.3680

■ 74.6737, 90.7535,
51.1182

■ 12.9624, 6.6140,
38.1302

■ 77.4124, 92.1653,
51.2464

■ 11.7293, 5.4709,
37.9745

■ 80.2842, 93.6458,
51.3808

Harmonies

Analogous

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



36.9597, 38.8268, 43.2918



37.1286, 38.8268, 43.0736



37.2375, 38.8268, 42.6421

Triad

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



37.1286, 38.8268, 43.0736



37.0314, 38.8268, 41.3299



36.5529, 38.8268, 42.4362

Complementary

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



37.1286, 38.8268, 43.0736



37.3129, 39.4918, 42.2172

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.



36.5719, 38.8268, 41.9116



37.1286, 38.8268, 43.0736



36.8478, 38.8268, 41.2758

Square

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



37.1286, 38.8268, 43.0736



37.1812, 38.8268, 41.6363



36.6797, 38.8268, 41.4879



36.6276, 38.8268, 42.9218

Rectangle

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



37.1286, 38.8268, 43.0736



37.2612, 38.8268, 42.2930



36.6797, 38.8268, 41.4879



36.5485, 38.8268, 42.2585

Sweetspot

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



37.1297, 38.8285, 43.0744



67.5393, 71.0566, 77.3807



37.1080, 39.0991, 43.1278



14.7206, 15.4872, 16.8656



80.6108, 84.8088, 92.3568

Same Dimension

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



37.1297, 38.8285, 43.0744



66.6401, 69.7478, 77.1754



37.3363, 38.9350, 43.0841



8.3549, 8.7486, 9.6666



8.1497, 3.5848, 28.2379



0.2574, 0.1177, 0.6898

Inverse Universe

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



37.2502, 38.9013, 42.5932



66.8259, 69.8602, 76.4327



37.1078, 39.3861, 42.2076



8.3762, 8.7614, 9.5818



13.4324, 6.7817, 7.0888



0.3527, 0.1753, 0.3086

Previews

White Background



This preview shows how the XYZ color 37.1286, 38.8268, 43.0736 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 37.1286, 38.8268, 43.0736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

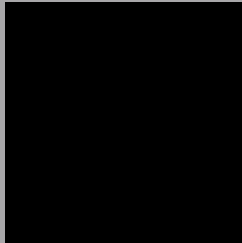
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

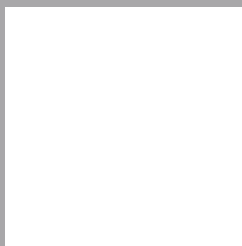
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1286, 38.8268, 43.0736

Background



This preview shows how black text looks on a background with the XYZ color 37.1286, 38.8268, 43.0736.



This preview shows how white text looks on a background with the XYZ color 37.1286, 38.8268,

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

37.1286, 38.8268, 43.0736

Protanopia

37.3752, 38.6831, 43.0328

Deuteranopia

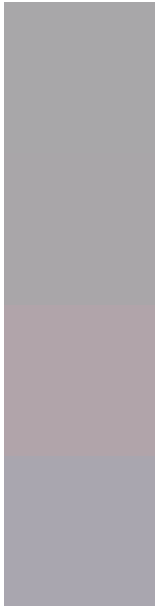
39.4674, 38.6880, 43.4176



Tritanopia

38.1351, 38.9621, 48.1583

Trichromacy



Original Color

37.1286, 38.8268, 43.0736

Protanomaly

37.1598, 38.5720, 43.0227

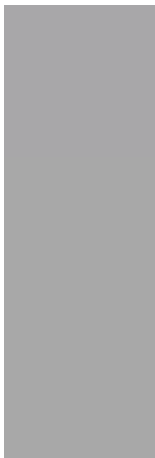
Deuteranomaly

38.6626, 38.8003, 43.4817

Tritanomaly

37.7363, 38.8026, 46.0582

Monochromacy



Original Color

37.1286, 38.8268, 43.0736

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.2190, 39.1572, 42.6422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1286, 38.8268, 43.0736 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, 167, 169)` looks like.

```
.text, #text, p{  
    color:rgb(168, 167, 169)  
}
```

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, 167, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 167, 169) }
```

Border

The CSS property to change the border of an element to XYZ 37.1286, 38.8268, 43.0736 is called "border". The border property can be set on classes, ids or directly on the HTML element.

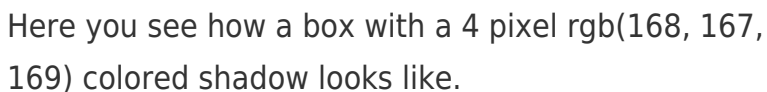
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 167, 169) }
```

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

```
.border{ border-color:rgb(168, 167, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 167, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 167, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 167, 169); box-shadow:4px 4px 4px 4px rgb(168, 167, 169) }
```


Background

The CSS property to change the background color of an element to XYZ 37.1286, 38.8268, 43.0736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 167, 169) }
```

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

```
.background{ background-color: rgb(168,  
167, 169) }
```

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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