

Converting Colors

XYZ(36.8526, 37.5568, 42.9556)

Have a look what the booklet for
XYZ(36.8526, 37.5568, 42.9556)
contains.

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Color

**XYZ(36.8362, 37.6050,
42.8531)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA3A9
RGB	170, 163, 169
RGB Percent	67%, 64%, 66%
CMY	0.3333, 0.3608, 0.3373
CMYK	0.00, 0.04, 0.01, 0.33
HSL	309°, 4%, 65%
HSV	309°, 4%, 67%
XYZ	36.8362, 37.6050, 42.8531
YIQ	165.7770, 2.2460, 3.3500

Conversions

Conversions Part 2

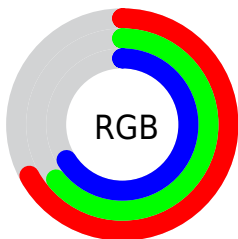
Format	Color
RYB	170, 163, 169
Decimal	11183017
CIELab	67.73, 3.64, -2.21
CIELCh	68, 4.261, 328.791
Yxy	37.6050, 0.3140, 0.3206
Android (android.graphics.Color)	4289373097 (0xFFAAA3A9)
YUV	165.7770, 1.5889, 3.7036
Hunter-Lab	61.3229, -0.0915, 1.4936

Details

The XYZ color **36.8362, 37.6050, 42.8531** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.1813, 39.2174, 40.7867**, and the grayscale version is **36.1306, 38.0122, 41.3953**.

A 20% lighter version of the original color is **69.5773, 71.5322, 80.6610**, and **16.3665, 16.5048, 19.1528** is the 20% darker color. If you saturate the color by 10%, you get **33.7928, 31.8793, 40.7239**, and if you desaturate by 10%, it is **40.2918, 44.1471, 45.1415**.

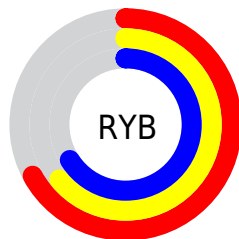
Distribution



Red (67%)

Green (64%)

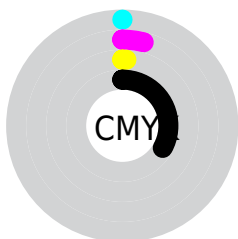
Blue (66%)



Red (67%)

Yellow (64%)

Blue (66%)

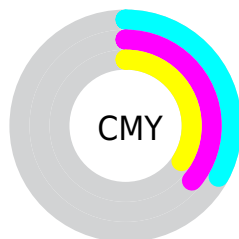


Cyan (0%)

Magenta (4%)

Yellow (1%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8362, 37.6050, 42.8531 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 36.8362, 37.6050, 42.8531 by changing the saturation by 10% instead.

■ 36.8362, 37.6050,
42.8531

■ 36.8362, 37.6050,
42.8531

323.9687,
335.9225, 373.9107

■ 25.2538, 25.6763,
29.4393

■ 69.6363, 71.5023,
80.7731

■ 16.3960, 16.5816,
19.1650

■ 91.5846, 94.2397,
106.1164

■ 9.8974, 9.9366,
11.6115

117.7190,
121.3487, 136.2733

■ 5.3927, 5.3570,
6.3604

148.4047,
153.2137, 171.6624

■ 2.5166, 2.4582,
2.9932

184.0072,
190.2193, 212.7021

■ 0.9036, 0.8556,
1.0911

224.8918,

■ 0.0000, 0.0000,

232.7496, 259.8111

0.0000

271.4238,
281.1892, 313.4078

■ 36.8362, 37.6050,
42.8531

■ 36.8362, 37.6050,
42.8531

■ 33.7928, 31.8793,
40.7239

■ 40.2918, 44.1471,
45.1415

■ 31.1422, 26.9331,
38.7461

■ 44.1715, 51.5312,
47.5918

■ 28.8683, 22.7337,
36.9145

■ 48.4908, 59.7877,
50.2098

■ 26.9528, 19.2442,
35.2229

■ 53.2635, 68.9439,
53.0002

■ 25.3756, 16.4247,
33.6646

■ 58.5027, 79.0263,
55.9675

■ 24.1146, 14.2312,
32.2321

■ 60.9457, 83.5093,
58.0241

■ 23.1454, 12.6145,
30.9170

■ 61.2019, 83.6118,
59.3734

■ 22.4396, 11.5181,
29.7098

■ 61.4625, 83.7161,
60.7459

■ 21.9632, 10.8740,
28.5992

■ 61.7276, 83.8221,
62.1416

Harmonies

Analogous

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



36.3556, 37.6050, 44.2060



36.8362, 37.6050, 42.8531



37.0232, 37.6050, 41.0220

Triad

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



36.8362, 37.6050, 42.8531



35.7692, 37.6050, 37.4264



34.6443, 37.6050, 42.7166

Complementary

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



36.8362, 37.6050, 42.8531



36.1813, 39.2174, 40.7867

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.



34.4916, 37.6050, 40.8690



36.8362, 37.6050, 42.8531



35.1362, 37.6050, 37.8493

Square

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



36.8362, 37.6050, 42.8531



36.4025, 37.6050, 37.9220



34.6705, 37.6050, 39.0953



35.0904, 37.6050, 44.1255

Rectangle

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



36.8362, 37.6050, 42.8531



36.9544, 37.6050, 39.7886



34.6705, 37.6050, 39.0953



34.5572, 37.6050, 42.1245

Sweetspot

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



36.8373, 37.6066, 42.8539



68.6971, 71.7480, 79.0075



35.6506, 36.9840, 43.2905



15.3274, 16.0145, 17.6241



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.



36.8373, 37.6066, 42.8539



66.2657, 67.1554, 77.3636



36.5193, 37.4794, 41.1793



8.0508, 8.1295, 9.4154



16.0098, 7.8126, 20.6608



0.4017, 0.1950, 0.5668

Inverse Universe

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



36.8373, 37.6066, 42.8539



66.2657, 67.1554, 77.3636



36.4954, 39.3430, 42.4412



8.0508, 8.1295, 9.4154



16.0098, 7.8126, 20.6608



0.4017, 0.1950, 0.5668

Previews

White Background



This preview shows how the XYZ color 36.8362, 37.6050, 42.8531 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 36.8362, 37.6050, 42.8531 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 36.8362, 37.6050, 42.8531

Background



This preview shows how black text looks on a background with the XYZ color 36.8362, 37.6050, 42.8531.



This preview shows how white text looks on a background with the XYZ color 36.8362, 37.6050,

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

36.8362, 37.6050, 42.8531

Protanopia

36.2570, 37.5602, 43.3691

Deuteranopia

38.4169, 37.6276, 43.2683



Tritanopia

37.4528, 37.5937, 45.8398

Trichromacy



Original Color

36.8362, 37.6050, 42.8531

Protanomaly

36.4675, 37.6687, 43.3789

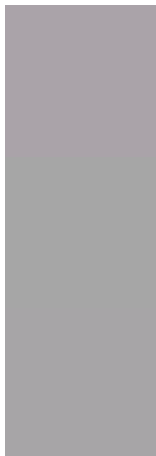
Deuteranomaly

37.9051, 37.6221, 43.2942

Tritanomaly

37.2577, 37.5157, 44.8127

Monochromacy



Original Color

36.8362, 37.6050, 42.8531

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.3665, 37.9158, 41.9610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8362, 37.6050, 42.8531 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(170, 163, 169)` looks like.

```
.text, #text, p{  
    color:rgb(170, 163, 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(170, 163, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 163, 169) }
```

Border

The CSS property to change the border of an element to XYZ 36.8362, 37.6050, 42.8531 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(170, 163, 169) }
```


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

```
.border{ border-color:rgb(170, 163, 169) }
```

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

Here you see how a box with a 4 pixel rgb(170, 163, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 163, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 163, 169);  
box-shadow:4px 4px 4px 4px rgb(170, 163,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8362, 37.6050, 42.8531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 163, 169) }
```

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

```
.background{ background-color: rgb(170,  
163, 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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