

Converting Colors

XYZ(36.9220, 37.9720, 44.1105)

Have a look what the booklet for
XYZ(36.9220, 37.9720, 44.1105)
contains.

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Color

**XYZ(36.7746, 37.8160,
43.8891)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A4AB
RGB	168, 164, 171
RGB Percent	66%, 64%, 67%
CMY	0.3412, 0.3568, 0.3294
CMYK	0.02, 0.04, 0.00, 0.33
HSL	274°, 4%, 66%
HSV	274°, 4%, 67%
XYZ	36.7746, 37.8160, 43.8891
YIQ	165.9940, 0.1370, 3.0250

Conversions

Conversions Part 2

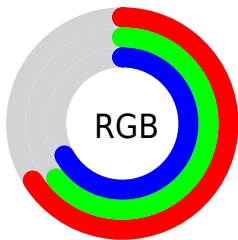
Format	Color
RYB	168, 164, 171
Decimal	11052203
CIELab	67.88, 2.77, -3.11
CIElCh	68, 4.163, 311.662
Yxy	37.8160, 0.3104, 0.3192
Android (android.graphics.Color)	4289242283 (0xFFA8A4AB)
YUV	165.9940, 2.4680, 1.7593
Hunter-Lab	61.4947, -0.8705, 0.7307

Details

The XYZ color **36.7746, 37.8160, 43.8891** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.2015, 40.0227, 40.8882**, and the grayscale version is **36.2319, 38.1188, 41.5114**.

A 20% lighter version of the original color is **69.4904, 71.8420, 82.1559**, and **16.3264, 16.6333, 19.8028** is the 20% darker color. If you saturate the color by 10%, you get **32.4011, 31.3207, 42.8665**, and if you desaturate by 10%, it is **41.6498, 45.1829, 45.0547**.

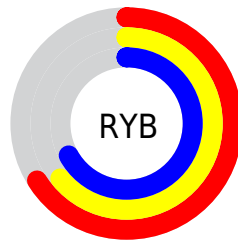
Distribution



Red (66%)

Green (64%)

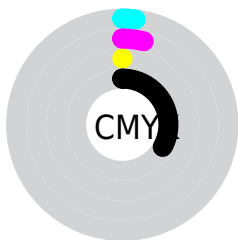
Blue (67%)



Red (66%)

Yellow (64%)

Blue (67%)

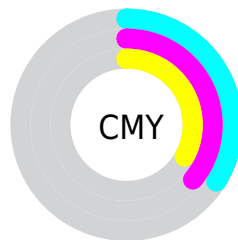


Cyan (2%)

Magenta (4%)

Yellow (0%)

Black (33%)



Cyan (34%)

Magenta (36%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7746, 37.8160, 43.8891 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 36.7746, 37.8160, 43.8891 by changing the saturation by 10% instead.

■ 36.7746, 37.8160,
43.8891

■ 36.7746, 37.8160,
43.8891

323.7061,
336.8300, 378.2836

■ 25.2059, 25.8399,
30.2468

■ 69.5421, 71.8260,
82.3515

■ 16.3601, 16.7039,
19.7723

■ 91.4715, 94.6288,
108.0087

■ 9.8718, 10.0236,
12.0472

117.5853,
121.8092, 138.5080

■ 5.3756, 5.4146,
6.6529

148.2487,
153.7516, 174.2678

■ 2.5063, 2.4925,
3.1709

183.8272,
190.8405, 215.7067

■ 0.8984, 0.8729,
1.1825

224.6860,

■ 0.0000, 0.0000,

233.4603, 263.2433

0.0000

271.1905,
281.9953, 317.2961

■ 36.7746, 37.8160,
43.8891

■ 36.7746, 37.8160,
43.8891

■ 32.4011, 31.3207,
42.8665

■ 41.6498, 45.1829,
45.0547

■ 28.5082, 25.6587,
41.9788

■ 47.0402, 53.4480,
46.3659

■ 25.0783, 20.7962,
41.2210

■ 52.9628, 62.6429,
47.8285

■ 22.0910, 16.6950,
40.5868

■ 59.4330, 72.7959,
49.4473

■ 19.5246, 13.3138,
40.0694

■ 66.4652, 83.9345,
51.2266

■ 17.3553, 10.6071,
39.6613

■ 70.2591, 88.4558,
51.8993

■ 15.5563, 8.5243,
39.3541

■ 72.4207, 89.5701,
52.0005

■ 14.0973, 7.0070,
39.1382

■ 74.6796, 90.7346,
52.1062

■ 12.9422, 5.9856,
39.0019

■ 77.0369, 91.9499,
52.2165

Harmonies

Analogous

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



36.1945, 37.8160, 44.7566



36.7746, 37.8160, 43.8891



37.1344, 37.8160, 42.3041

Triad

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



36.7746, 37.8160, 43.8891



36.3350, 37.8160, 37.8915



34.7407, 37.8160, 41.8981

Complementary

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



36.7746, 37.8160, 43.8891



37.2015, 40.0227, 40.8882

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.



34.7773, 37.8160, 40.0666



36.7746, 37.8160, 43.8891



35.6926, 37.8160, 37.7902

Square

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



36.7746, 37.8160, 43.8891



36.8785, 37.8160, 38.8566



35.1240, 37.8160, 38.5755



35.0234, 37.8160, 43.5843

Rectangle

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



36.7746, 37.8160, 43.8891



37.1983, 37.8160, 41.0722



35.1240, 37.8160, 38.5755



34.7162, 37.8160, 41.2784

Sweetspot

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



36.7757, 37.8176, 43.8899



68.4493, 71.6153, 79.2174



36.4868, 38.4839, 44.0338



15.2751, 15.9866, 17.6683



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.



36.7757, 37.8176, 43.8899



65.0421, 66.5002, 78.4096



37.3774, 38.1330, 43.6864



8.3860, 8.5489, 10.1608



9.3743, 4.1925, 29.3597



0.3218, 0.1481, 0.8196

Inverse Universe

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



37.0464, 38.0006, 41.9434



65.6441, 66.9068, 74.0907



36.6172, 39.7166, 41.0812



8.4717, 8.6068, 9.5466



13.6004, 6.9027, 5.5413



0.4061, 0.2031, 0.3003

Previews

White Background



This preview shows how the XYZ color 36.7746, 37.8160, 43.8891 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 36.7746, 37.8160, 43.8891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

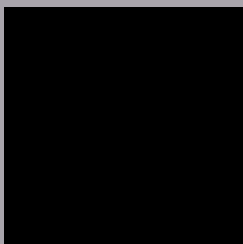
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

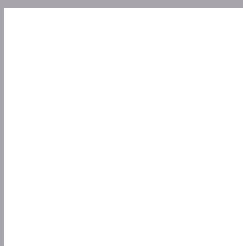
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7746, 37.8160, 43.8891

Background



This preview shows how black text looks on a background with the XYZ color 36.7746, 37.8160, 43.8891.



This preview shows how white text looks on a background with the XYZ color 36.7746, 37.8160,

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

36.7746, 37.8160, 43.8891

Protanopia

36.5625, 37.7067, 43.8791

Deuteranopia

38.3773, 37.5851, 44.2617



Tritanopia

37.2959, 37.7640, 46.3978

Trichromacy



Original Color

36.7746, 37.8160, 43.8891

Protanomaly

36.5625, 37.7067, 43.8791

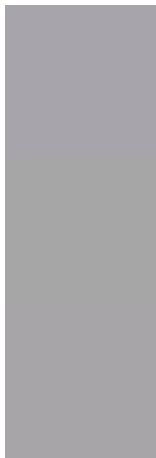
Deuteranomaly

37.6468, 37.4670, 44.2774

Tritanomaly

37.0994, 37.6854, 45.3631

Monochromacy



Original Color

36.7746, 37.8160, 43.8891

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.4594, 37.9529, 42.4498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7746, 37.8160, 43.8891 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, 164, 171)` looks like.

```
.text, #text, p{  
    color:rgb(168, 164, 171)  
}
```

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, 164, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 164, 171) }
```

Border

The CSS property to change the border of an element to XYZ 36.7746, 37.8160, 43.8891 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, 164, 171) }
```


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

```
.border{ border-color:rgb(168, 164, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 164, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 164, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 164, 171);  
box-shadow:4px 4px 4px 4px rgb(168, 164,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7746, 37.8160, 43.8891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 164, 171) }
```

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

```
.background{ background-color: rgb(168,  
164, 171) }
```

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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