

Converting Colors

XYZ(37.7513, 36.4522, 45.4303)

Have a look what the booklet for
XYZ(37.7513, 36.4522, 45.4303)
contains.

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Color

**XYZ(37.6993, 36.4392,
45.6039)**

Conversions

Conversions Part 1

Format	Color
Hex	B09DAF
RGB	176, 157, 175
RGB Percent	69%, 62%, 69%
CMY	0.3098, 0.3843, 0.3137
CMYK	0.00, 0.11, 0.01, 0.31
HSL	303°, 11%, 65%
HSV	303°, 11%, 69%
XYZ	37.6993, 36.4392, 45.6039
YIQ	164.7330, 5.5460, 9.6260

Conversions

Conversions Part 2

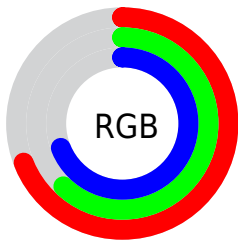
Format	Color
RYB	176, 157, 175
Decimal	11574703
CIELab	66.85, 10.24, -6.79
CIElCh	67, 12.283, 326.461
Yxy	36.4392, 0.3148, 0.3043
Android (android.graphics.Color)	4289764783 (0xFFB09DAF)
YUV	164.7330, 5.0616, 9.8812
Hunter-Lab	60.3649, 5.8389, -2.5364

Details

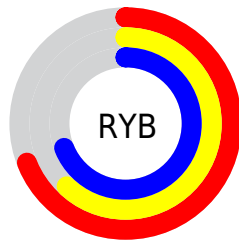
The XYZ color **37.6993, 36.4392, 45.6039** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.6029, 40.6884, 38.3268**, and the grayscale version is **35.6119, 37.4665, 40.8010**.

A 20% lighter version of the original color is **71.2460, 70.0123, 85.3600**, and **16.8976, 15.9491, 20.9268** is the 20% darker color. If you saturate the color by 10%, you get **34.8432, 30.8716, 44.2049**, and if you desaturate by 10%, it is **40.9871, 42.8681, 47.1508**.

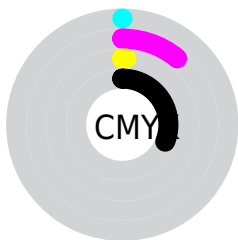
Distribution



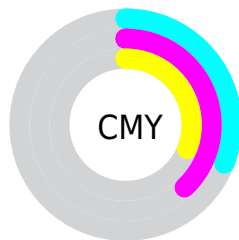
- Red (69%)
- Green (62%)
- Blue (69%)



- Red (69%)
- Yellow (62%)
- Blue (69%)



- Cyan (0%)
- Magenta (11%)
- Yellow (1%)
- Black (31%)



- Cyan (31%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6993, 36.4392, 45.6039 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 37.6993, 36.4392, 45.6039 by changing the saturation by 10% instead.

■ 37.6993, 36.4392,
45.6039

■ 37.6993, 36.4392,
45.6039

327.6315,
330.8762, 385.4451

■ 25.9255, 24.7736,
31.5870

■ 70.9539, 69.7094,
84.9539

■ 16.9003, 15.9085,
20.7840

■ 93.1654, 92.0828,
111.1241

■ 10.2583, 9.4594,
12.7765

119.5869,
118.7943, 142.1824

■ 5.6341, 5.0420,
7.1459

150.5838,
150.2282, 178.5474

■ 2.6625, 2.2719,
3.4737

186.5213,
186.7689, 220.6376

■ 0.9779, 0.7588,
1.3413

227.7648,

■ 0.0000, 0.0000,

228.8009, 268.8716

0.0953

274.6798,
276.7085, 323.6679

■ 0.0000, 0.0000,
0.0000

■ 37.6993, 36.4392,
45.6039

■ 37.6993, 36.4392,
45.6039

■ 34.8432, 30.8716,
44.2049

■ 40.9871, 42.8681,
47.1508

■ 32.3974, 26.1241,
42.9452

■ 44.7205, 50.1878,
48.8489

■ 30.3433, 22.1590,
41.8192

■ 48.9169, 58.4325,
50.7044

■ 28.6598, 18.9342,
40.8198

■ 53.5917, 67.6328,
52.7225

■ 27.3237, 16.4032,
39.9392

■ 58.7595, 77.8183,
54.9080

■ 26.3093, 14.5145,
39.1689

■ 61.9601, 84.0684,
56.4409

■ 25.5872, 13.2095,
38.4991

■ 62.0552, 84.1064,
56.9417

■ 25.1227, 12.4187,
37.9183

■ 62.1510, 84.1447,
57.4459

■ 24.8554, 12.0105,
37.4396

■ 62.2474, 84.1833,
57.9535

Harmonies

Analogous

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



36.2513, 36.4392, 49.5622



37.6993, 36.4392, 45.6039



38.3251, 36.4392, 40.3113

Triad

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



37.6993, 36.4392, 45.6039



34.8555, 36.4392, 30.3124



31.5325, 36.4392, 44.4135

Complementary

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



37.6993, 36.4392, 45.6039



35.6029, 40.6884, 38.3268

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.



31.1885, 36.4392, 39.0476



37.6993, 36.4392, 45.6039



33.0663, 36.4392, 31.2006

Square

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



37.6993, 36.4392, 45.6039



36.6467, 36.4392, 31.7421



31.7402, 36.4392, 34.2856



32.6971, 36.4392, 48.8330

Rectangle

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



37.6993, 36.4392, 45.6039



38.1759, 36.4392, 36.8461



31.7402, 36.4392, 34.2856



31.3189, 36.4392, 42.6474

Sweetspot

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



37.7004, 36.4408, 45.6047



72.9199, 74.9751, 84.8578



33.9858, 34.5144, 45.9455



15.6969, 16.0408, 18.3406



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



37.7004, 36.4408, 45.6047



67.0434, 63.4914, 82.0689



36.8044, 36.0824, 40.8865



8.8303, 8.6388, 10.6049



18.2435, 8.8150, 27.5061



0.5799, 0.2797, 0.8962

Inverse Universe

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



37.7004, 36.4408, 45.6047



67.0434, 63.4914, 82.0689



36.4479, 41.0264, 42.7768



8.8303, 8.6388, 10.6049



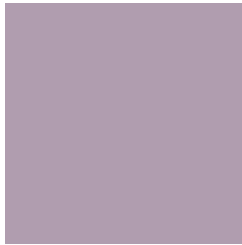
18.2435, 8.8150, 27.5061



0.5799, 0.2797, 0.8962

Previews

White Background



This preview shows how the XYZ color 37.6993, 36.4392, 45.6039 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 37.6993, 36.4392, 45.6039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

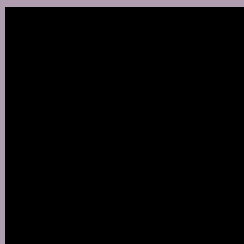
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6993, 36.4392, 45.6039

Background



This preview shows how black text looks on a background with the XYZ color 37.6993, 36.4392, 45.6039.



This preview shows how white text looks on a background with the XYZ color 37.6993, 36.4392,

45.6039.

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

37.6993, 36.4392, 45.6039

Protanopia

35.6542, 36.6321, 47.3110

Deuteranopia

37.1983, 36.4331, 45.6292



Tritanopia

37.1618, 36.4700, 43.1110

Trichromacy



Original Color

37.6993, 36.4392, 45.6039

Protanomaly

36.2325, 36.4229, 46.7156

Deuteranomaly

37.4203, 36.5475, 45.6396

Tritanomaly

37.3525, 36.5462, 44.1152

Monochromacy



Original Color

37.6993, 36.4392, 45.6039

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.4439, 37.1402, 42.7841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6993, 36.4392, 45.6039 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(176, 157, 175)` looks like.

```
.text, #text, p{  
    color:rgb(176, 157, 175)  
}
```

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(176, 157, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 157, 175) }
```

Border

The CSS property to change the border of an element to XYZ 37.6993, 36.4392, 45.6039 is called "border". The border property can be set on classes, ids or directly on the HTML element.

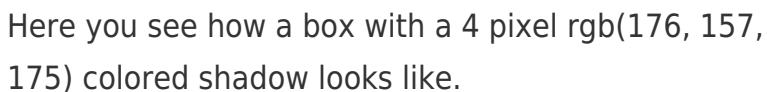
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 157, 175) }
```


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

```
.border{ border-color:rgb(176, 157, 175) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 157, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 157, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 157, 175); box-shadow:4px 4px 4px 4px rgb(176, 157, 175) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6993, 36.4392, 45.6039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 157, 175) }
```

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

```
.background{ background-color: rgb(176,  
157, 175) }
```

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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