

Converting Colors

XYZ(36.8919, 39.2523, 44.6335)

Have a look what the booklet for
XYZ(36.8919, 39.2523, 44.6335)
contains.

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Color

**XYZ(36.9442, 39.2470,
44.6580)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A9AC
RGB	164, 169, 172
RGB Percent	64%, 66%, 67%
CMY	0.3569, 0.3372, 0.3255
CMYK	0.05, 0.02, 0.00, 0.33
HSL	202°, 5%, 66%
HSV	202°, 5%, 67%
XYZ	36.9442, 39.2470, 44.6580
YIQ	167.8470, -3.9430, -0.1270

Conversions

Conversions Part 2

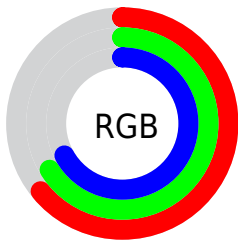
Format	Color
RYB	164, 167, 172
Decimal	10791340
CIELab	68.93, -1.18, -2.17
CIELCh	69, 2.466, 241.466
Yxy	39.2470, 0.3057, 0.3248
Android (android.graphics.Color)	4288981420 (0xFFA4A9AC)
YUV	167.8470, 2.0474, -3.3738
Hunter-Lab	62.6474, -4.3687, 1.5885

Details

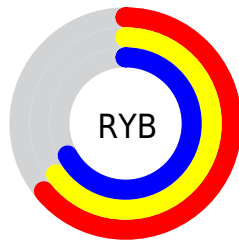
The XYZ color **36.9442, 39.2470, 44.6580** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.5329, 39.0881, 40.6891**, and the grayscale version is **37.1370, 39.0710, 42.5483**.

A 20% lighter version of the original color is **69.7342, 73.9174, 83.2651**, and **16.4335, 17.5234, 20.2855** is the 20% darker color. If you saturate the color by 10%, you get **32.4627, 35.2016, 44.1140**, and if you desaturate by 10%, it is **41.9672, 43.6614, 45.2459**.

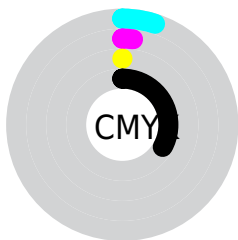
Distribution



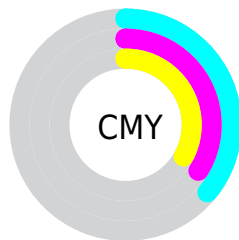
- Red (64%)
- Green (66%)
- Blue (67%)



- Red (64%)
- Yellow (65%)
- Blue (67%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (33%)



- Cyan (36%)
- Magenta (34%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9442, 39.2470, 44.6580 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 36.9442, 39.2470, 44.6580 by changing the saturation by 10% instead.

■ 36.9442, 39.2470,
44.6580

■ 36.9442, 39.2470,
44.6580

324.4286,
342.9395, 381.5063

■ 25.3378, 26.9519,
30.8471

■ 69.8013, 74.0155,
83.5200

■ 16.4590, 17.5371,
20.2250

■ 91.7828, 97.2577,
109.4082

■ 9.9424, 10.6182,
12.3730

117.9532,
124.9178, 140.1592

■ 5.4228, 5.8107,
6.8726

148.6781,
157.3801, 176.1917

■ 2.5347, 2.7303,
3.3053

184.3227,
195.0290, 217.9241

■ 0.9128, 0.9926,
1.2526

225.2524,

■ 0.0000, 0.0000,

238.2489, 265.7750

0.0224

271.8326,
287.4243, 320.1629

■ 0.0000, 0.0000,
0.0000

■ 36.9442, 39.2470,
44.6580

■ 36.9442, 39.2470,
44.6580

■ 32.4627, 35.2016,
44.1140

■ 41.9672, 43.6614,
45.2459

■ 28.4992, 31.5087,
43.6101

■ 47.5471, 48.4508,
45.8763

■ 25.0337, 28.1577,
43.1459

■ 53.7030, 53.6273,
46.5510

■ 22.0433, 25.1355,
42.7202

■ 60.4521, 59.2009,
47.2711

■ 19.5033, 22.4281,
42.3315

■ 67.8106, 65.1811,
48.0375

■ 17.3865, 20.0200,
41.9782

■ 71.1617, 69.1891,
48.6345

■ 15.6626, 17.8942,
41.6588

■ 72.7617, 72.3890,
49.1679

■ 14.2967, 16.0314,
41.3712

■ 74.4262, 75.7180,
49.7227

■ 13.2468, 14.4083,
41.1132

■ 76.1560, 79.1775,
50.2993

Harmonies

Analogous

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



36.6639, 39.2470, 43.8701



36.9442, 39.2470, 44.6580



37.3224, 39.2470, 44.9278

Triad

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



36.9442, 39.2470, 44.6580



38.0617, 39.2470, 42.6781



36.9110, 39.2470, 40.9184

Complementary

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



36.9442, 39.2470, 44.6580



37.5329, 39.0881, 40.6891

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.



37.2838, 39.2470, 40.6114



36.9442, 39.2470, 44.6580



37.9497, 39.2470, 41.6164

Square

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



36.9442, 39.2470, 44.6580



37.9692, 39.2470, 43.7728



37.6643, 39.2470, 40.8647



36.6448, 39.2470, 41.7104

Rectangle

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



36.9442, 39.2470, 44.6580



37.5796, 39.2470, 44.7739



37.6643, 39.2470, 40.8647



37.0279, 39.2470, 40.7557

Sweetspot

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



36.9453, 39.2487, 44.6589



70.2182, 74.0325, 81.3946



37.0319, 40.1858, 42.3324



15.2710, 16.0987, 17.6902



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.



36.9453, 39.2487, 44.6589



65.7789, 70.0918, 80.8679



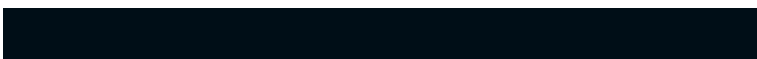
36.2240, 37.8060, 44.4184



8.2734, 8.8233, 10.2197



9.5514, 10.2367, 30.5170



0.3160, 0.3853, 0.8657

Inverse Universe

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



37.4510, 38.1869, 42.9350



66.9760, 67.6012, 76.7819



38.2650, 40.5523, 40.9332



8.4346, 8.4888, 9.6692



14.6848, 7.3364, 11.2513



0.4339, 0.2142, 0.4466

Previews

White Background



This preview shows how the XYZ color 36.9442, 39.2470, 44.6580 looks on a white background.

Color Contrast Check

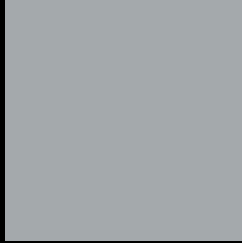
Large Text (above 18pt) WCAG AA × Fail

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 36.9442, 39.2470, 44.6580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

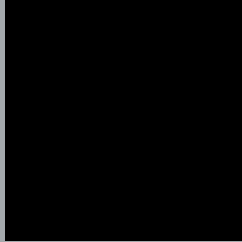
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

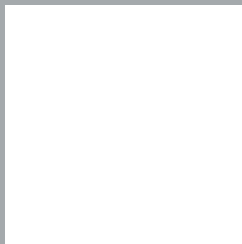
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9442, 39.2470, 44.6580

Background



This preview shows how black text looks on a background with the XYZ color 36.9442, 39.2470, 44.6580.



This preview shows how white text looks on a background with the XYZ color 36.9442, 39.2470,

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

36.9442, 39.2470, 44.6580

Protanopia

37.7470, 39.1238, 44.0902

Deuteranopia

39.9314, 39.1566, 44.9885



Tritanopia

37.8602, 39.3408, 49.3141

Trichromacy



Original Color

36.9442, 39.2470, 44.6580

Protanomaly

37.5018, 39.2704, 44.1315

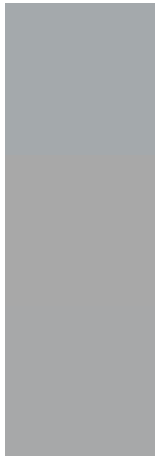
Deuteranomaly

38.6772, 39.0414, 45.0324

Tritanomaly

37.5556, 39.2189, 47.7101

Monochromacy



Original Color

36.9442, 39.2470, 44.6580

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.1004, 39.0853, 43.1249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9442, 39.2470, 44.6580 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(164, 169, 172)` looks like.

```
.text, #text, p{  
    color:rgb(164, 169, 172)  
}
```

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(164, 169, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 169, 172) }
```

Border

The CSS property to change the border of an element to XYZ 36.9442, 39.2470, 44.6580 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(164, 169, 172) }
```


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

```
.border{ border-color:rgb(164, 169, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 169, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 169, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 169, 172);  
box-shadow:4px 4px 4px 4px rgb(164, 169,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9442, 39.2470, 44.6580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 169, 172) }
```

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

```
.background{ background-color: rgb(164,  
169, 172) }
```

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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