

Converting Colors

XYZ(36.4021, 37.2967, 44.3586)

Have a look what the booklet for
XYZ(36.4021, 37.2967, 44.3586)
contains.

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Color

**XYZ(36.4799, 37.3884,
44.3237)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A3AC
RGB	167, 163, 172
RGB Percent	65%, 64%, 67%
CMY	0.3451, 0.3608, 0.3255
CMYK	0.03, 0.05, 0.00, 0.33
HSL	267°, 5%, 66%
HSV	267°, 5%, 67%
XYZ	36.4799, 37.3884, 44.3237
YIQ	165.2220, -0.5050, 3.6470

Conversions

Conversions Part 2

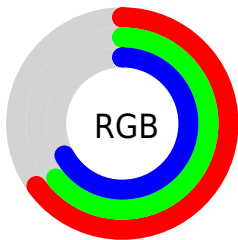
Format	Color
RYB	167, 163, 172
Decimal	10986412
CIELab	67.57, 3.16, -4.14
CIElCh	68, 5.211, 307.327
Yxy	37.3884, 0.3086, 0.3163
Android (android.graphics.Color)	4289176492 (0xFFA7A3AC)
YUV	165.2220, 3.3416, 1.5593
Hunter-Lab	61.1461, -0.5120, -0.1760

Details

The XYZ color **36.4799, 37.3884, 44.3237** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.5132, 40.4752, 40.4875**, and the grayscale version is **35.8562, 37.7235, 41.0809**.

A 20% lighter version of the original color is **69.0607, 71.2185, 82.7797**, and **16.1448, 16.3698, 20.0781** is the 20% darker color. If you saturate the color by 10%, you get **31.6863, 30.6886, 43.2837**, and if you desaturate by 10%, it is **41.8403, 44.9991, 45.5107**.

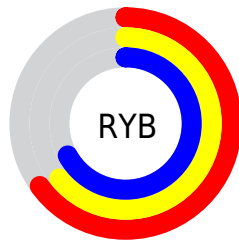
Distribution



Red (65%)

Green (64%)

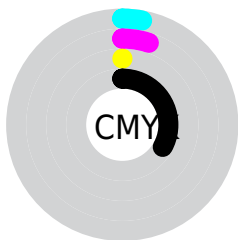
Blue (67%)



Red (65%)

Yellow (64%)

Blue (67%)

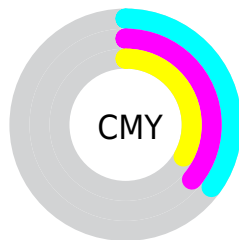


Cyan (3%)

Magenta (5%)

Yellow (0%)

Black (33%)



Cyan (35%)

Magenta (36%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4799, 37.3884, 44.3237 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 36.4799, 37.3884, 44.3237 by changing the saturation by 10% instead.

■ 36.4799, 37.3884,
44.3237

■ 36.4799, 37.3884,
44.3237

322.4480,
334.9890, 380.1075

■ 24.9769, 25.5084,
30.5860

■ 69.0912, 71.1697,
83.0123

■ 16.1885, 16.4562,
20.0280

■ 90.9302, 93.8398,
108.8002

■ 9.7493, 9.8475,
12.2311

116.9452,
120.8754, 139.4420

■ 5.2940, 5.2980,
6.7768

147.5015,
152.6608, 175.3562

■ 2.4573, 2.4231,
3.2466

182.9647,
189.5805, 216.9613

■ 0.8738, 0.8378,
1.2219

223.6999,

■ 0.0000, 0.0000,

232.0188, 264.6759

0.0000

270.0726,
280.3602, 318.9184

■ 36.4799, 37.3884,
44.3237

■ 36.4799, 37.3884,
44.3237

■ 31.6863, 30.6886,
43.2837

■ 41.8403, 44.9991,
45.5107

■ 27.4364, 24.8600,
42.3827

■ 47.7831, 53.5488,
46.8478

■ 23.7102, 19.8668,
41.6153

■ 54.3273, 63.0707,
48.3408

■ 20.4852, 15.6691,
40.9750

■ 61.4899, 73.5944,
49.9946

■ 17.7370, 12.2235,
40.4548

■ 69.2875, 85.1487,
51.8138

■ 15.4390, 9.4823,
40.0468

■ 74.0564, 90.4023,
52.5765

■ 13.5616, 7.3922,
39.7423

■ 77.1091, 91.9760,
52.7193

■ 12.0712, 5.8917,
39.5313

■ 80.3310, 93.6370,
52.8701

■ 10.9266, 4.9048,
39.4011

■ 83.7249, 95.3866,
53.0290

Harmonies

Analogous

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



35.7336, 37.3884, 45.2493



36.4799, 37.3884, 44.3237



36.9786, 37.3884, 42.4360

Triad

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



36.4799, 37.3884, 44.3237



36.1343, 37.3884, 36.7687



34.0288, 37.3884, 41.2755

Complementary

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



36.4799, 37.3884, 44.3237



37.5132, 40.4752, 40.4875

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.



34.1325, 37.3884, 39.0307



36.4799, 37.3884, 44.3237



35.3402, 37.3884, 36.4842

Square

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



36.4799, 37.3884, 44.3237



36.7770, 37.3884, 38.0898



34.6096, 37.3884, 37.2975



34.3243, 37.3884, 43.4469

Rectangle

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



36.4799, 37.3884, 44.3237



37.0994, 37.3884, 40.9160



34.6096, 37.3884, 37.2975



34.0182, 37.3884, 40.5040

Sweetspot

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



36.4810, 37.3900, 44.3245



69.1744, 72.0585, 81.0686



36.5731, 38.8086, 44.5935



15.0566, 15.6931, 17.6232



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.



36.4810, 37.3900, 44.3245



65.3780, 66.6994, 80.2342



37.4265, 37.8774, 44.3688



8.2194, 8.3673, 10.1345



7.8452, 3.4042, 29.2881



0.2818, 0.1275, 0.8177

Inverse Universe

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



37.1796, 37.7939, 42.3831



66.8527, 67.5519, 76.1324



36.5921, 40.0004, 40.4444



8.4180, 8.4821, 9.5818



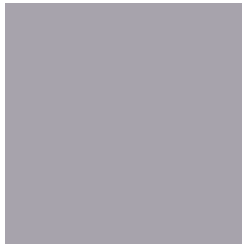
14.2456, 7.1608, 8.9389



0.4233, 0.2100, 0.3907

Previews

White Background



This preview shows how the XYZ color 36.4799, 37.3884, 44.3237 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 36.4799, 37.3884, 44.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

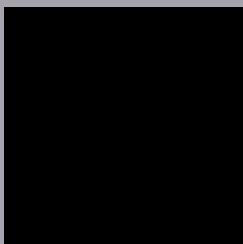
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

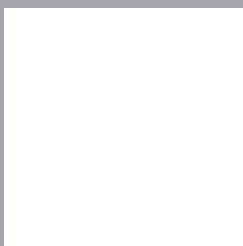
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4799, 37.3884, 44.3237

Background



This preview shows how black text looks on a background with the XYZ color 36.4799, 37.3884, 44.3237.

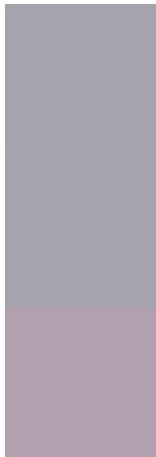


This preview shows how white text looks on a background with the XYZ color 36.4799, 37.3884,

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

36.4799, 37.3884, 44.3237

Protanopia

36.2389, 37.5288, 44.3635

Deuteranopia

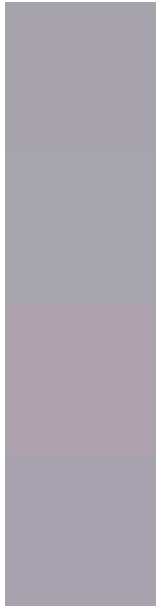
38.2451, 37.5059, 44.7588



Tritanopia

36.8066, 37.2606, 45.8095

Trichromacy



Original Color

36.4799, 37.3884, 44.3237

Protanomaly

36.4477, 37.6365, 44.3733

Deuteranomaly

37.5213, 37.3911, 44.7748

Tritanomaly

36.7088, 37.2215, 45.2941

Monochromacy



Original Color

36.4799, 37.3884, 44.3237

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.0692, 37.4851, 42.3801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4799, 37.3884, 44.3237 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(167, 163, 172)` looks like.

```
.text, #text, p{  
    color:rgb(167, 163, 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(167, 163, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 163, 172) }
```

Border

The CSS property to change the border of an element to XYZ 36.4799, 37.3884, 44.3237 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(167, 163, 172) }
```


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

```
.border{ border-color:rgb(167, 163, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 163, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 163, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 163, 172);  
box-shadow:4px 4px 4px 4px rgb(167, 163,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4799, 37.3884, 44.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 163, 172) }
```

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

```
.background{ background-color: rgb(167,  
163, 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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