

Converting Colors

XYZ(37.9503, 40.4011, 44.3670)

Have a look what the booklet for
XYZ(37.9503, 40.4011, 44.3670)
contains.

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Color

**XYZ(37.8499, 40.2816,
44.3083)**

Conversions

Conversions Part 1

Format	Color
Hex	A7ABAB
RGB	167, 171, 171
RGB Percent	65%, 67%, 67%
CMY	0.3451, 0.3294, 0.3294
CMYK	0.02, 0.00, 0.00, 0.33
HSL	180°, 2%, 66%
HSV	180°, 2%, 67%
XYZ	37.8499, 40.2816, 44.3083
YIQ	169.8040, -2.3840, -0.8480

Conversions

Conversions Part 2

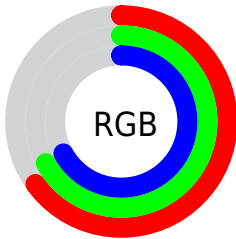
Format	Color
RYB	167, 169, 171
Decimal	10988459
CIELab	69.67, -1.41, -0.50
CIELCh	70, 1.496, 199.603
Yxy	40.2816, 0.3091, 0.3290
Android (android.graphics.Color)	4289178539 (0xFFA7ABAB)
YUV	169.8040, 0.5896, -2.4591
Hunter-Lab	63.4678, -4.6177, 3.0358

Details

The XYZ color **37.8499, 40.2816, 44.3083** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.5898, 39.0863, 42.1243**, and the grayscale version is **38.1098, 40.0945, 43.6629**.

A 20% lighter version of the original color is **71.0480, 75.4133, 82.7631**, and **16.9968, 18.1704, 20.0642** is the 20% darker color. If you saturate the color by 10%, you get **34.4727, 38.5418, 44.1447**, and if you desaturate by 10%, it is **41.7072, 42.2711, 44.4960**.

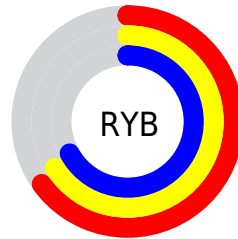
Distribution



Red (65%)

Green (67%)

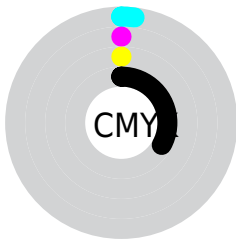
Blue (67%)



Red (65%)

Yellow (66%)

Blue (67%)

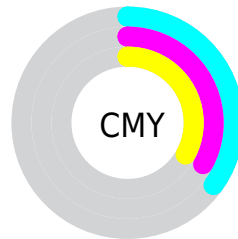


Cyan (2%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (35%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8499, 40.2816, 44.3083 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 37.8499, 40.2816, 44.3083 by changing the saturation by 10% instead.

■ 37.8499, 40.2816,
44.3083

■ 37.8499, 40.2816,
44.3083

328.2676,
347.3090, 380.0430

■ 26.0429, 27.7582,
30.5740

■ 71.1834, 75.5921,
82.9889

■ 16.9886, 18.1434,
20.0189

■ 93.4406, 99.1480,
108.7722

■ 10.3216, 11.0530,
12.2246

119.9119,
127.1502, 139.4090

■ 5.6766, 6.1025,
6.7724

150.9627,
159.9830, 175.3177

■ 2.6882, 2.9075,
3.2439

186.9583,
198.0310, 216.9169

■ 0.9911, 1.0836,
1.2205

228.2641,

■ 0.0000, 0.0000,

241.6783, 264.6252

0.0000

275.2454,
291.3096, 318.8610

■ 37.8499, 40.2816,
44.3083

■ 37.8499, 40.2816,
44.3083

■ 34.4727, 38.5418,
44.1447

■ 41.7072, 42.2711,
44.4960

■ 31.5534, 37.0370,
44.0017

■ 46.0586, 44.5142,
44.7061

■ 29.0734, 35.7587,
43.8793

■ 50.9221, 47.0213,
44.9400

■ 27.0115, 34.6959,
43.7764

■ 56.3134, 49.8005,
45.1987

■ 25.3446, 33.8367,
43.6920

■ 62.2479, 52.8597,
45.4828

■ 24.0475, 33.1682,
43.6249

■ 63.1618, 53.3307,
45.5320

■ 23.0920, 32.6758,
43.5738

■ 63.1631, 53.3312,
45.5384

■ 22.4459, 32.3428,
43.5372

■ 63.1643, 53.3316,
45.5449

■ 22.0709, 32.1496,
43.5133

■ 63.1655, 53.3321,
45.5513

Harmonies

Analogous

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



37.8307, 40.2816, 43.6198



37.8499, 40.2816, 44.3083



37.9858, 40.2816, 44.8823

Triad

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



37.8499, 40.2816, 44.3083



38.6418, 40.2816, 44.7289



38.3705, 40.2816, 42.5624

Complementary

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



37.8499, 40.2816, 44.3083



37.5898, 39.0863, 42.1243

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.



38.5887, 40.2816, 42.8530



37.8499, 40.2816, 44.3083



38.7458, 40.2816, 44.1007

Square

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



37.8499, 40.2816, 44.3083



38.4427, 40.2816, 45.1269



38.7263, 40.2816, 43.4144



38.1306, 40.2816, 42.6167

Rectangle

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



37.8499, 40.2816, 44.3083



38.1246, 40.2816, 45.1204



38.7263, 40.2816, 43.4144



38.4488, 40.2816, 42.6229

Sweetspot

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



37.8510, 40.2833, 44.3092



68.6497, 72.5869, 79.3932



37.4895, 40.1403, 42.3316



15.3174, 16.1914, 17.7054



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.



37.8510, 40.2833, 44.3092



67.3270, 71.9051, 79.3289



37.4885, 39.5577, 44.1897



8.6797, 9.3007, 10.2899



16.5105, 24.1695, 32.7917



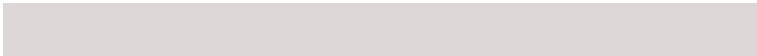
0.4594, 0.6724, 0.9127

Inverse Universe

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



37.5898, 39.0863, 42.1243



66.7197, 69.1225, 74.2499



37.9467, 39.8005, 42.2419



8.5840, 8.8621, 9.4893



12.6613, 6.5271, 0.5958



0.3523, 0.1816, 0.0170

Previews

White Background



This preview shows how the XYZ color 37.8499, 40.2816, 44.3083 looks on a white background.

Color Contrast Check

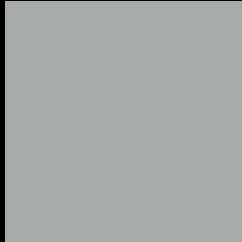
Large Text (above 18pt) WCAG AA × Fail

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 37.8499, 40.2816, 44.3083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

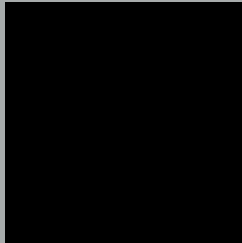
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

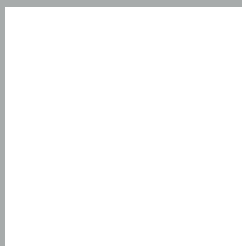
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8499, 40.2816, 44.3083

Background



This preview shows how black text looks on a background with the XYZ color 37.8499, 40.2816, 44.3083.

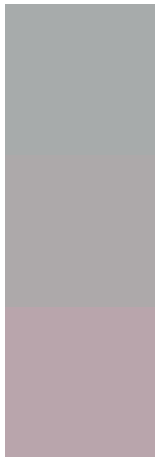


This preview shows how white text looks on a background with the XYZ color 37.8499, 40.2816,

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

37.8499, 40.2816, 44.3083

Protanopia

38.6772, 40.1625, 43.7438

Deuteranopia

40.9091, 40.2031, 44.6336



Tritanopia

39.0974, 40.2298, 50.5042

Trichromacy



Original Color

37.8499, 40.2816, 44.3083

Protanomaly

38.4250, 40.3097, 43.7855

Deuteranomaly

39.6252, 40.0810, 44.6777

Tritanomaly

38.6599, 40.3290, 48.3945

Monochromacy



Original Color

37.8499, 40.2816, 44.3083

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.9926, 40.0867, 43.7653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8499, 40.2816, 44.3083 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, 171, 171)` looks like.

```
.text, #text, p{  
    color:rgb(167, 171, 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(167, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 171, 171) }
```

Border

The CSS property to change the border of an element to XYZ 37.8499, 40.2816, 44.3083 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, 171, 171) }
```


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

```
.border{ border-color:rgb(167, 171, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 171, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 171, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 171, 171);  
box-shadow:4px 4px 4px 4px rgb(167, 171,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8499, 40.2816, 44.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 171, 171) }
```

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

```
.background{ background-color: rgb(167,  
171, 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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