

Converting Colors

XYZ(38.4392, 41.3678, 39.7983)

Have a look what the booklet for
XYZ(38.4392, 41.3678, 39.7983)
contains.

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Color

**XYZ(38.3899, 41.2310,
39.6532)**

Conversions

Conversions Part 1

Format	Color
Hex	ACADA1
RGB	172, 173, 161
RGB Percent	67%, 68%, 63%
CMY	0.3255, 0.3216, 0.3686
CMYK	0.01, 0.00, 0.07, 0.32
HSL	65°, 7%, 65%
HSV	65°, 7%, 68%
XYZ	38.3899, 41.2310, 39.6532
YIQ	171.3330, 3.2560, -3.9440

Conversions

Conversions Part 2

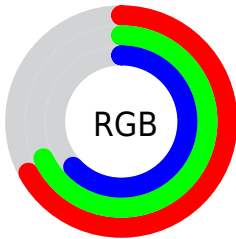
Format	Color
RYB	161, 173, 162
Decimal	11316641
CIELab	70.34, -2.55, 6.03
CIELCh	70, 6.549, 112.882
Yxy	41.2310, 0.3219, 0.3457
Android (android.graphics.Color)	4289506721 (0xFFACADA1)
YUV	171.3330, -5.0942, 0.5850
Hunter-Lab	64.2114, -5.6505, 8.3339

Details

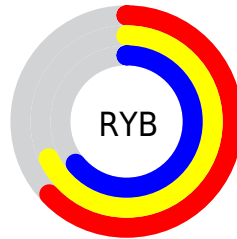
The XYZ color **38.3899, 41.2310, 39.6532** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.1895, 36.1893, 44.6678**, and the grayscale version is **38.9008, 40.9266, 44.5691**.

A 20% lighter version of the original color is **71.8166, 76.7756, 75.9998**, and **17.3976, 18.7936, 17.4624** is the 20% darker color. If you saturate the color by 10%, you get **36.6535, 40.5013, 32.1515**, and if you desaturate by 10%, it is **40.3431, 42.0505, 48.2687**.

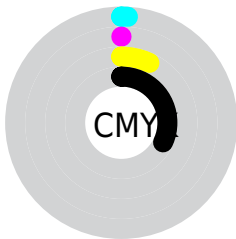
Distribution



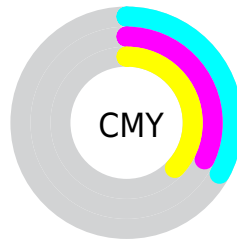
- Red (67%)
- Green (68%)
- Blue (63%)



- Red (63%)
- Yellow (68%)
- Blue (64%)



- Cyan (1%)
- Magenta (0%)
- Yellow (7%)
- Black (32%)



- Cyan (33%)
- Magenta (32%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3899, 41.2310, 39.6532 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 38.3899, 41.2310, 39.6532 by changing the saturation by 10% instead.

■ 38.3899, 41.2310,
39.6532

■ 38.3899, 41.2310,
39.6532

330.5416,
351.2851, 360.1682

■ 26.4640, 28.4996,
26.9565

■ 72.0054, 77.0344,
75.8664

■ 17.3056, 18.7026,
17.3084

■ 94.4258, 100.8753,
100.2201

■ 10.5493, 11.4556,
10.2904

121.0750,
129.1881, 129.2964

■ 5.8297, 6.3742,
5.4838

152.3184,
162.3572, 163.5141

■ 2.7815, 3.0739,
2.4702

188.5215,
200.7671, 203.2915

■ 1.0393, 1.1704,
0.8243

230.0494,

■ 0.0000, 0.0374,

244.8021, 249.0474

0.0000

277.2677,
294.8467, 301.2001

■ 0.0000, 0.0000,
0.0000

■ 38.3899, 41.2310,
39.6532

■ 38.3899, 41.2310,
39.6532

■ 36.6535, 40.5013,
32.1515

■ 40.3431, 42.0505,
48.2687

■ 35.1220, 39.8527,
25.7156

■ 42.5180, 42.9577,
58.0381

■ 33.7872, 39.2831,
20.2979

■ 44.9232, 43.9574,
69.0028

■ 32.6392, 38.7886,
15.8460

■ 47.5663, 45.0527,
81.2014

■ 31.6673, 38.3650,
12.3032

■ 50.4541, 46.2463,
94.6707

■ 30.8594, 38.0073,
9.6066

■ 51.9742, 46.8932,
100.9197

■ 30.2021, 37.7103,
7.6854

■ 52.3142, 47.0685,
100.9356

■ 29.6797, 37.4677,
6.4573

■ 52.6576, 47.2455,
100.9517

■ 29.2697, 37.2704,
5.8033

■ 53.0047, 47.4244,
100.9679

Harmonies

Analogous

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



39.4457, 41.2310, 39.2673



38.3899, 41.2310, 39.6532



37.5622, 41.2310, 41.4122

Triad

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



38.3899, 41.2310, 39.6532



37.9536, 41.2310, 49.7857



41.2777, 41.2310, 45.6317

Complementary

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



38.3899, 41.2310, 39.6532



35.1895, 36.1893, 44.6678

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.



40.8617, 41.2310, 48.5647



38.3899, 41.2310, 39.6532



38.9330, 41.2310, 51.0331

Square

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



38.3899, 41.2310, 39.6532



37.3136, 41.2310, 47.2370



39.9988, 41.2310, 50.5764



41.1259, 41.2310, 42.6289

Rectangle

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



38.3899, 41.2310, 39.6532



37.2448, 41.2310, 43.1721



39.9988, 41.2310, 50.5764



41.1994, 41.2310, 46.6601

Sweetspot

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



38.3910, 41.2328, 39.6541



70.4181, 74.5405, 78.3254



36.5882, 37.2992, 38.9898



15.3120, 16.2029, 17.0597



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.



38.3910, 41.2328, 39.6541



68.3590, 73.6767, 69.2964



37.1039, 40.5693, 39.5939



8.5957, 9.2957, 8.5546



21.4395, 27.3496, 4.1490



0.6154, 0.7706, 0.1163

Inverse Universe

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



35.1895, 36.1893, 44.6678



61.6860, 63.1645, 79.7465



36.4374, 36.8326, 44.7262



7.6386, 7.7880, 10.0533



5.7011, 2.2989, 29.1878



0.1782, 0.0740, 0.8129

Previews

White Background



This preview shows how the XYZ color 38.3899, 41.2310, 39.6532 looks on a white background.

Color Contrast Check

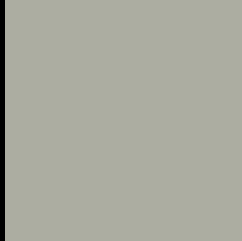
Large Text (above 18pt) WCAG AA × Fail

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 38.3899, 41.2310, 39.6532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

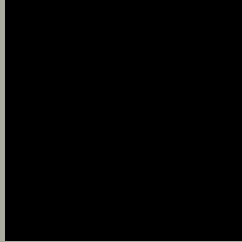
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.3899, 41.2310, 39.6532

Background



This preview shows how black text looks on a background with the XYZ color 38.3899, 41.2310, 39.6532.



This preview shows how white text looks on a background with the XYZ color 38.3899, 41.2310,

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

38.3899, 41.2310, 39.6532

Protanopia

39.2682, 41.1289, 39.1267

Deuteranopia

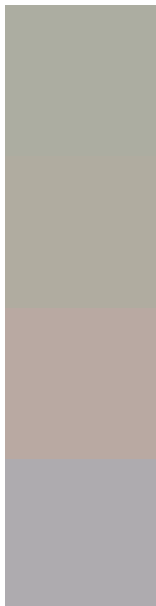
41.8960, 41.0875, 39.9049



Tritanopia

40.6012, 41.2823, 50.6281

Trichromacy



Original Color

38.3899, 41.2310, 39.6532

Protanomaly

39.0022, 41.2732, 39.1686

Deuteranomaly

40.7171, 41.2989, 40.0079

Tritanomaly

39.7563, 41.2196, 46.4182

Monochromacy



Original Color

38.3899, 41.2310, 39.6532

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.5222, 40.9530, 42.4336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3899, 41.2310, 39.6532 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(172, 173, 161)` looks like.

```
.text, #text, p{  
    color:rgb(172, 173, 161)  
}
```

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(172, 173, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 173, 161) }
```

Border

The CSS property to change the border of an element to XYZ 38.3899, 41.2310, 39.6532 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(172, 173, 161) }
```


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

```
.border{ border-color:rgb(172, 173, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 173, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 173, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 173, 161);  
box-shadow:4px 4px 4px 4px rgb(172, 173,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3899, 41.2310, 39.6532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 173, 161) }
```

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

```
.background{ background-color: rgb(172,  
173, 161) }
```

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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