

Converting Colors

XYZ(37.0948, 38.3580, 39.6022)

Have a look what the booklet for
XYZ(37.0948, 38.3580, 39.6022)
contains.

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Color

**XYZ(36.9900, 38.2896,
39.6235)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA5A2
RGB	172, 165, 162
RGB Percent	67%, 65%, 64%
CMY	0.3255, 0.3529, 0.3647
CMYK	0.00, 0.04, 0.06, 0.33
HSL	18°, 6%, 65%
HSV	18°, 6%, 67%
XYZ	36.9900, 38.2896, 39.6235
YIQ	166.7510, 5.1350, 0.5510

Conversions

Conversions Part 2

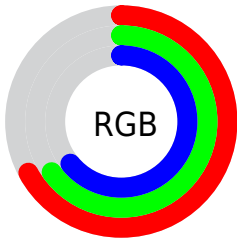
Format	Color
RYB	172, 166, 162
Decimal	11314594
CIELab	68.23, 1.97, 2.44
CIElCh	68, 3.140, 51.040
Yxy	38.2896, 0.3219, 0.3332
Android (android.graphics.Color)	4289504674 (0xFFACA5A2)
YUV	166.7510, -2.3422, 4.6034
Hunter-Lab	61.8786, -1.5832, 5.3491

Details

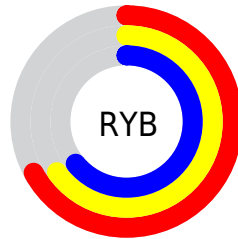
The XYZ color **36.9900, 38.2896, 39.6235** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.5346, 39.0352, 44.6392**, and the grayscale version is **36.6197, 38.5267, 41.9556**.

A 20% lighter version of the original color is **69.7961, 72.5270, 75.9661**, and **16.4653, 16.9291, 17.1517** is the 20% darker color. If you saturate the color by 10%, you get **33.4952, 33.5815, 31.4242**, and if you desaturate by 10%, it is **40.9004, 43.4933, 48.9940**.

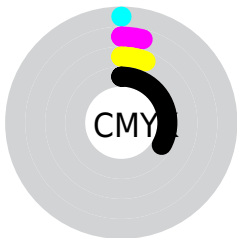
Distribution



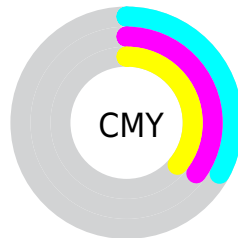
- Red (67%)
- Green (65%)
- Blue (64%)



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



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (33%)



- Cyan (33%)
- Magenta (35%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9900, 38.2896, 39.6235 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 36.9900, 38.2896, 39.6235 by changing the saturation by 10% instead.

■ 36.9900, 38.2896,
39.6235

■ 36.9900, 38.2896,
39.6235

324.6235,
338.8606, 360.0389

■ 25.3734, 26.2075,
26.9336

■ 69.8713, 72.5518,
75.8207

■ 16.4857, 16.9790,
17.2913

■ 91.8668, 95.5007,
100.1650

■ 9.9615, 10.2195,
10.2783

118.0525,
122.8407, 129.2311

■ 5.4355, 5.5447,
5.4758

148.7939,
154.9562, 163.4377

■ 2.5423, 2.5703,
2.4655

184.4564,
192.2315, 203.2032

■ 0.9167, 0.9117,
0.8218

225.4052,

■ 0.0000, 0.0000,

235.0511, 248.9462

0.0000

272.0058,
283.7994, 301.0853

■ 36.9900, 38.2896,
39.6235

■ 36.9900, 38.2896,
39.6235

■ 33.4952, 33.5815,
31.4242

■ 40.9004, 43.4933,
48.9940

■ 30.3988, 29.3494,
24.3475

■ 45.2365, 49.2014,
59.5771

■ 27.6870, 25.5796,
18.3447

■ 50.0121, 55.4292,
71.4148

■ 25.3438, 22.2560,
13.3627

■ 55.2394, 62.1894,
84.5468

■ 23.3524, 19.3614,
9.3439

■ 60.9302, 69.4946,
99.0108

■ 21.6942, 16.8775,
6.2249

■ 65.4091, 76.6820,
105.9614

■ 20.3490, 14.7846,
3.9344

■ 69.0154, 83.8947,
107.1635

■ 19.2939, 13.0612,
2.3903

■ 70.8235, 87.5108,
107.7662

■ 18.5009, 11.6825,
1.4866

Harmonies

Analogous

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



37.2814, 38.2896, 40.7276



36.9900, 38.2896, 39.6235



36.5404, 38.2896, 39.0766

Triad

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



36.9900, 38.2896, 39.6235



35.4685, 38.2896, 41.2711



36.7331, 38.2896, 44.2658

Complementary

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



36.9900, 38.2896, 39.6235



36.5346, 39.0352, 44.6392

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.



36.2463, 38.2896, 44.4192



36.9900, 38.2896, 39.6235



35.5190, 38.2896, 42.6692

Square

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



36.9900, 38.2896, 39.6235



35.6639, 38.2896, 40.0137



35.8027, 38.2896, 43.8289



37.1322, 38.2896, 43.4143

Rectangle

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



36.9900, 38.2896, 39.6235



36.2126, 38.2896, 39.0929



35.8027, 38.2896, 43.8289



36.5742, 38.2896, 44.4014

Sweetspot

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



36.9911, 38.2913, 39.6243



69.6963, 72.9241, 78.0514



37.0955, 37.4765, 42.8152



15.1638, 15.8710, 17.0035



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.



36.9911, 38.2913, 39.6243



66.2325, 68.2942, 69.8131



37.9101, 40.1293, 39.9307



8.3476, 8.5991, 8.7636



13.6060, 8.4175, 0.9076



0.4270, 0.3312, 0.0414

Inverse Universe

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



36.5346, 39.0352, 44.6392



65.2263, 69.9339, 80.8666



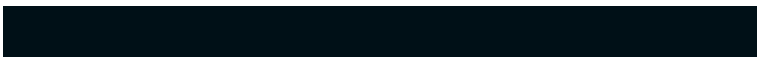
35.6227, 37.2115, 44.3352



8.2149, 8.8153, 10.2212



10.6202, 12.3742, 30.8732



0.3403, 0.4340, 0.8738

Previews

White Background



This preview shows how the XYZ color 36.9900, 38.2896, 39.6235 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 36.9900, 38.2896, 39.6235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

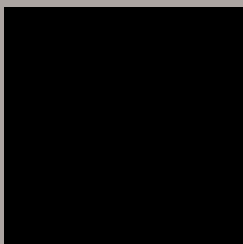
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

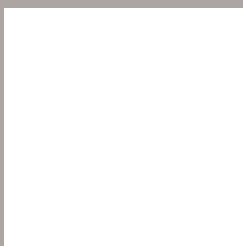
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9900, 38.2896, 39.6235

Background



This preview shows how black text looks on a background with the XYZ color 36.9900, 38.2896, 39.6235.



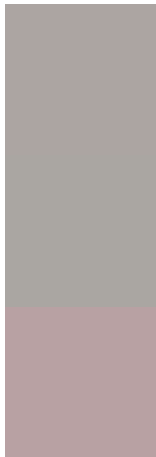
This preview shows how white text looks on a background with the XYZ color 36.9900, 38.2896,

39.6235.

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

36.9900, 38.2896, 39.6235

Protanopia

36.7354, 38.4271, 39.6634

Deuteranopia

39.1229, 38.3244, 39.9857



Tritanopia

38.3892, 38.3276, 46.4489

Trichromacy



Original Color

36.9900, 38.2896, 39.6235

Protanomaly

36.9524, 38.5390, 39.6736

Deuteranomaly

38.3536, 38.1883, 40.0000

Tritanomaly

37.8597, 38.3754, 43.9399

Monochromacy



Original Color

36.9900, 38.2896, 39.6235

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.7899, 38.4241, 41.0749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9900, 38.2896, 39.6235 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, 165, 162)` looks like.

```
.text, #text, p{  
    color:rgb(172, 165, 162)  
}
```

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, 165, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 165, 162) }
```

Border

The CSS property to change the border of an element to XYZ 36.9900, 38.2896, 39.6235 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, 165, 162) }
```


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

```
.border{ border-color:rgb(172, 165, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 165, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 165, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 165, 162);  
box-shadow:4px 4px 4px 4px rgb(172, 165,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9900, 38.2896, 39.6235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 165, 162) }
```

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

```
.background{ background-color: rgb(172,  
165, 162) }
```

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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