

Converting Colors

XYZ(34.2111, 36.4542, 35.6330)

Have a look what the booklet for
XYZ(34.2111, 36.4542, 35.6330)
contains.

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Color

**XYZ(34.2398, 36.4200,
35.7970)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A39A
RGB	164, 163, 154
RGB Percent	64%, 64%, 60%
CMY	0.3569, 0.3608, 0.3961
CMYK	0.00, 0.01, 0.06, 0.36
HSL	54°, 5%, 62%
HSV	54°, 6%, 64%
XYZ	34.2398, 36.4200, 35.7970
YIQ	162.2730, 3.4850, -2.5870

Conversions

Conversions Part 2

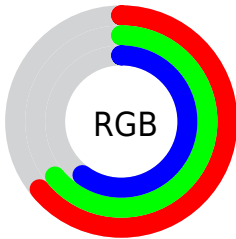
Format	Color
RYB	155, 164, 154
Decimal	10789786
CIELab	66.84, -1.30, 4.79
CIELCh	67, 4.964, 105.166
Yxy	36.4200, 0.3216, 0.3421
Android (android.graphics.Color)	4288979866 (0xFFA4A39A)
YUV	162.2730, -4.0786, 1.5146
Hunter-Lab	60.3490, -4.3364, 7.0754

Details

The XYZ color **34.2398, 36.4200, 35.7970** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.7487, 32.9926, 39.8173**, and the grayscale version is **34.4889, 36.2850, 39.5143**.

A 20% lighter version of the original color is **65.6700, 69.7569, 69.6778**, and **14.8147, 15.7929, 15.0995** is the 20% darker color. If you saturate the color by 10%, you get **32.6781, 35.3349, 28.9916**, and if you desaturate by 10%, it is **35.9939, 37.5904, 43.5882**.

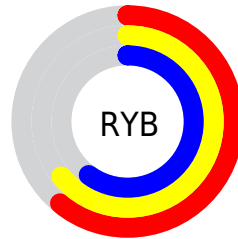
Distribution



Red (64%)

Green (64%)

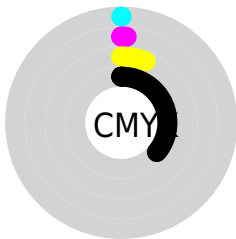
Blue (60%)



Red (61%)

Yellow (64%)

Blue (60%)

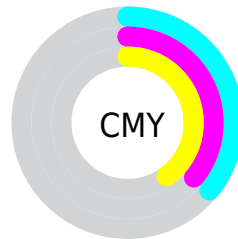


Cyan (0%)

Magenta (1%)

Yellow (6%)

Black (36%)



Cyan (36%)

Magenta (36%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2398, 36.4200, 35.7970 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 34.2398, 36.4200, 35.7970 by changing the saturation by 10% instead.

■ 34.2398, 36.4200,
35.7970

■ 34.2398, 36.4200,
35.7970

312.7671,
330.7926, 343.0829

■ 23.2416, 24.7587,
23.9890

■ 65.6482, 69.6798,
69.8841

■ 14.8937, 15.8974,
15.1133

■ 86.7892, 92.0472,
93.0004

■ 8.8307, 9.4516,
8.7515

112.0418,
118.7521, 120.7231

■ 4.6871, 5.0369,
4.4848

141.7714,
150.1788, 153.4708

■ 2.0977, 2.2689,
1.8949

176.3434,
186.7118, 191.6621

■ 0.6880, 0.7572,
0.4895

216.1231,

■ 0.0000, 0.0000,

228.7356, 235.7156

0.0000

261.4759,
276.6343, 286.0497

■ 34.2398, 36.4200,
35.7970

■ 34.2398, 36.4200,
35.7970

■ 32.6781, 35.3349,
28.9916

■ 35.9939, 37.5904,
43.5882

■ 31.2983, 34.3275,
23.1301

■ 37.9446, 38.8442,
52.4002

■ 30.0933, 33.3959,
18.1710

■ 40.0995, 40.1859,
62.2691

■ 29.0546, 32.5367,
14.0687

■ 42.4651, 41.6178,
73.2288

■ 28.1726, 31.7462,
10.7738

■ 45.0475, 43.1426,
85.3113

■ 27.4370, 31.0201,
8.2318

■ 47.8526, 44.7625,
98.5477

■ 26.8363, 30.3538,
6.3814

■ 48.5832, 45.5588,
100.8409

■ 26.3568, 29.7419,
5.1518

■ 48.9021, 46.1966,
100.9472

■ 25.9803, 29.1769,
4.4462

■ 49.2248, 46.8421,
101.0547

Harmonies

Analogous

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



34.9870, 36.4200, 35.7912



34.2398, 36.4200, 35.7970



33.6024, 36.4200, 36.8110

Triad

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



34.2398, 36.4200, 35.7970



33.6082, 36.4200, 42.6601



36.0305, 36.4200, 40.7232

Complementary

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



34.2398, 36.4200, 35.7970



31.7487, 32.9926, 39.8173

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.



35.6500, 36.4200, 42.6423



34.2398, 36.4200, 35.7970



34.2478, 36.4200, 43.7877

Square

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



34.2398, 36.4200, 35.7970



33.2413, 36.4200, 40.7467



34.9952, 36.4200, 43.7811



36.0283, 36.4200, 38.5833

Rectangle

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



34.2398, 36.4200, 35.7970



33.3224, 36.4200, 37.9439



34.9952, 36.4200, 43.7811



35.9429, 36.4200, 41.4171

Sweetspot

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



34.2408, 36.4216, 35.7978



63.4015, 66.9535, 70.4996



32.7824, 33.3708, 35.7243



13.8689, 14.6428, 15.4487



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.2408, 36.4216, 35.7978



61.8428, 65.8996, 63.6187



33.6059, 36.3581, 35.8190



7.6561, 8.1622, 7.8415



19.8361, 22.2462, 3.2485



0.4330, 0.4998, 0.0737

Inverse Universe

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



31.7487, 32.9926, 39.8173



56.5880, 58.6696, 72.0942



32.3575, 33.0612, 39.7985



6.9805, 7.2327, 8.9312



5.3016, 2.3826, 27.1102



0.1273, 0.0818, 0.5749

Previews

White Background



This preview shows how the XYZ color 34.2398, 36.4200, 35.7970 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 34.2398, 36.4200, 35.7970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

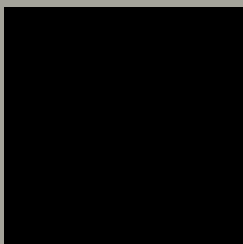
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

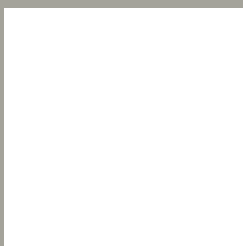
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2398, 36.4200, 35.7970

Background



This preview shows how black text looks on a background with the XYZ color 34.2398, 36.4200, 35.7970.



This preview shows how white text looks on a background with the XYZ color 34.2398, 36.4200,

35.7970.

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

34.2398, 36.4200, 35.7970

Protanopia

34.8185, 36.4654, 35.3404

Deuteranopia

37.0294, 36.3043, 36.0661



Tritanopia

36.0500, 36.3742, 44.6561

Trichromacy



Original Color

34.2398, 36.4200, 35.7970

Protanomaly

34.6064, 36.3561, 35.3305

Deuteranomaly

35.9937, 36.2768, 36.1154

Tritanomaly

35.3537, 36.3499, 41.2293

Monochromacy



Original Color

34.2398, 36.4200, 35.7970

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.2826, 36.1304, 37.9679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2398, 36.4200, 35.7970 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, 163, 154)` looks like.

```
.text, #text, p{  
    color:rgb(164, 163, 154)  
}
```

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, 163, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 163, 154) }
```

Border

The CSS property to change the border of an element to XYZ 34.2398, 36.4200, 35.7970 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, 163, 154) }
```


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

```
.border{ border-color:rgb(164, 163, 154) }
```

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

Here you see how a box with a 4 pixel rgb(164, 163, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 163, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 163, 154);  
box-shadow:4px 4px 4px 4px rgb(164, 163,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2398, 36.4200, 35.7970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 163, 154) }
```

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

```
.background{ background-color: rgb(164,  
163, 154) }
```

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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