

Converting Colors

XYZ(33.8580, 33.8522, 40.7059)

Have a look what the booklet for
XYZ(33.8580, 33.8522, 40.7059)
contains.

XYZ(33.9556, 33.8637, 40.8231)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.9556, 33.8637,
40.8231)**

Conversions

Conversions Part 1

Format	Color
Hex	A59AA6
RGB	165, 154, 166
RGB Percent	65%, 60%, 65%
CMY	0.3529, 0.3961, 0.3490
CMYK	0.01, 0.07, 0.00, 0.35
HSL	295°, 6%, 63%
HSV	295°, 7%, 65%
XYZ	33.9556, 33.8637, 40.8231
YIQ	158.6570, 2.7040, 6.0640

Conversions

Conversions Part 2

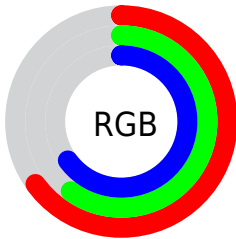
Format	Color
RYB	165, 154, 166
Decimal	10853030
CIELab	64.85, 6.27, -4.81
CIElCh	65, 7.905, 322.505
Yxy	33.8637, 0.3125, 0.3117
Android (android.graphics.Color)	4289043110 (0xFFA59AA6)
YUV	158.6570, 3.6201, 5.5628
Hunter-Lab	58.1925, 2.3186, -0.8582

Details

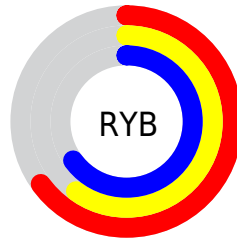
The XYZ color **33.9556, 33.8637, 40.8231** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.9878, 36.5750, 35.8946**, and the grayscale version is **32.7821, 34.4893, 37.5588**.

A 20% lighter version of the original color is **65.1222, 65.5479, 77.6263**, and **14.6976, 14.4261, 17.9295** is the 20% darker color. If you saturate the color by 10%, you get **31.1173, 28.6115, 39.9594**, and if you desaturate by 10%, it is **37.1779, 39.8783, 41.8147**.

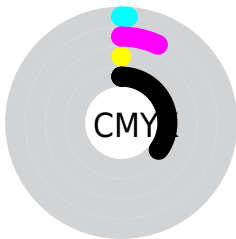
Distribution



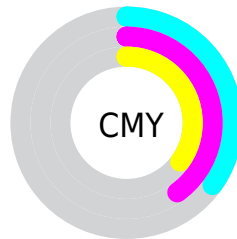
- Red (65%)
- Green (60%)
- Blue (65%)



- Red (65%)
- Yellow (60%)
- Blue (65%)



- Cyan (1%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (35%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9556, 33.8637, 40.8231 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 33.9556, 33.8637, 40.8231 by changing the saturation by 10% instead.

■ 33.9556, 33.8637,
40.8231

■ 33.9556, 33.8637,
40.8231

311.5234,
319.5239, 365.2354

■ 23.0222, 22.7889,
27.8622

■ 65.2094, 65.7217,
77.6660

■ 14.7307, 14.4377,
17.9837

■ 86.2605, 87.2736,
102.3852

■ 8.7157, 8.4257,
10.7690

111.4148,
113.0867, 131.8608

■ 4.6118, 4.3686,
5.7995

141.0379,
143.5454, 166.5115

■ 2.0538, 1.8818,
2.6567

175.4949,
179.0341, 206.7558

■ 0.6639, 0.5374,
0.9215

215.1512,

■ 0.0000, 0.0000,

219.9371, 253.0121

0.0000

260.3723,
266.6389, 305.6992

■ 33.9556, 33.8637,
40.8231

■ 33.9556, 33.8637,
40.8231

■ 31.1173, 28.6115,
39.9594

■ 37.1779, 39.8783,
41.8147

■ 28.6445, 24.0862,
39.2163

■ 40.7958, 46.6799,
42.9369

■ 26.5218, 20.2565,
38.5889

■ 44.8241, 54.2977,
44.1949

■ 24.7313, 17.0865,
38.0715

■ 49.2759, 62.7579,
45.5933

■ 23.2536, 14.5377,
37.6574

■ 54.1638, 72.0856,
47.1361

■ 22.0673, 12.5673,
37.3396

■ 59.4999, 82.3048,
48.8273

■ 21.1484, 11.1269,
37.1100

■ 60.2517, 83.3508,
48.9896

■ 20.4688, 10.1606,
36.9593

■ 60.5631, 83.5113,
49.0042

■ 19.9851, 9.5818,
36.8730

■ 60.8777, 83.6735,
49.0189

Harmonies

Analogous

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



33.0321, 33.8637, 42.9755



33.9556, 33.8637, 40.8231



34.4071, 33.8637, 37.6960

Triad

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



33.9556, 33.8637, 40.8231



32.4729, 33.8637, 30.9960



30.2052, 33.8637, 39.3252

Complementary

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



33.9556, 33.8637, 40.8231



32.9878, 36.5750, 35.8946

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.



30.0634, 33.8637, 36.0597



33.9556, 33.8637, 40.8231



31.3554, 33.8637, 31.3753

Square

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



33.9556, 33.8637, 40.8231



33.5381, 33.8637, 32.1157



30.4798, 33.8637, 33.1841



30.8716, 33.8637, 42.0757

Rectangle

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



33.9556, 33.8637, 40.8231



34.3723, 33.8637, 35.5302



30.4798, 33.8637, 33.1841



30.0952, 33.8637, 38.2468

Sweetspot

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



33.9566, 33.8652, 40.8238



64.5731, 66.9497, 74.9945



31.9655, 33.1341, 40.7877



14.4652, 15.0100, 16.7870



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.9566, 33.8652, 40.8238



60.5741, 59.5054, 73.7684



33.7332, 33.7999, 38.5579



7.7793, 7.6344, 9.4819



15.4217, 7.3336, 28.5782



0.3926, 0.1874, 0.6961

Inverse Universe

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



33.1991, 33.5863, 35.7450



58.8559, 58.8736, 62.2143



33.2045, 36.6396, 38.0333



7.5556, 7.5521, 7.9768



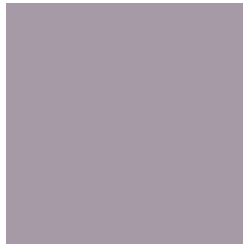
12.2630, 6.3139, 0.9307



0.3060, 0.1567, 0.0629

Previews

White Background



This preview shows how the XYZ color 33.9556, 33.8637, 40.8231 looks on a white background.

Color Contrast Check

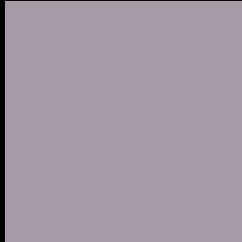
Large Text (above 18pt) WCAG AA × Fail

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 33.9556, 33.8637, 40.8231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

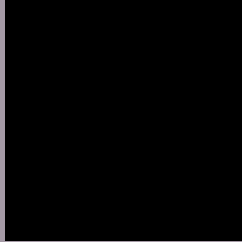
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9556, 33.8637, 40.8231

Background



This preview shows how black text looks on a background with the XYZ color 33.9556, 33.8637, 40.8231.



This preview shows how white text looks on a background with the XYZ color 33.9556, 33.8637,

40.8231.

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

33.9556, 33.8637, 40.8231

Protanopia

32.7681, 33.7351, 41.3437

Deuteranopia

34.6364, 33.9707, 40.8079



Tritanopia

33.9556, 33.8637, 40.8231

Trichromacy



Original Color

33.9556, 33.8637, 40.8231

Protanomaly

33.1936, 33.7063, 41.3157

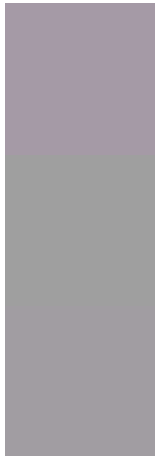
Deuteranomaly

34.4226, 33.8605, 40.7978

Tritanomaly

33.9556, 33.8637, 40.8231

Monochromacy



Original Color

33.9556, 33.8637, 40.8231

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.2765, 34.2996, 39.0491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9556, 33.8637, 40.8231 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(165, 154, 166)` looks like.

```
.text, #text, p{  
    color:rgb(165, 154, 166)  
}
```

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(165, 154, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 154, 166) }
```

Border

The CSS property to change the border of an element to XYZ 33.9556, 33.8637, 40.8231 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(165, 154, 166) }
```


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

```
.border{ border-color:rgb(165, 154, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 154, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 154, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 154, 166);  
box-shadow:4px 4px 4px 4px rgb(165, 154,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9556, 33.8637, 40.8231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 154, 166) }
```

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

```
.background{ background-color: rgb(165,  
154, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor