

Converting Colors

XYZ(36.5067, 39.6519, 33.4909)

Have a look what the booklet for
XYZ(36.5067, 39.6519, 33.4909)
contains.

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Color

**XYZ(36.4358, 39.5140,
33.3103)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAA93
RGB	171, 170, 147
RGB Percent	67%, 67%, 58%
CMY	0.3294, 0.3333, 0.4235
CMYK	0.00, 0.01, 0.14, 0.33
HSL	58°, 12%, 62%
HSV	58°, 14%, 67%
XYZ	36.4358, 39.5140, 33.3103
YIQ	167.6770, 7.9790, -6.9410

Conversions

Conversions Part 2

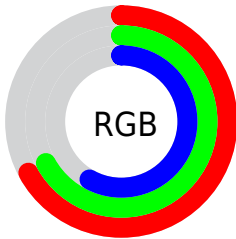
Format	Color
RYB	148, 171, 147
Decimal	11250323
CIELab	69.12, -3.69, 12.00
CIElCh	69, 12.553, 107.083
Yxy	39.5140, 0.3335, 0.3617
Android (android.graphics.Color)	4289440403 (0xFFABAA93)
YUV	167.6770, -10.1938, 2.9143
Hunter-Lab	62.8602, -6.5409, 12.5837

Details

The XYZ color **36.4358, 39.5140, 33.3103** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.9731, 30.3225, 42.8015**, and the grayscale version is **37.1076, 39.0401, 42.5147**.

A 20% lighter version of the original color is **68.8319, 74.2362, 65.9595**, and **16.1975, 17.7233, 13.6336** is the 20% darker color. If you saturate the color by 10%, you get **35.0602, 38.7527, 26.7165**, and if you desaturate by 10%, it is **38.0137, 40.3600, 40.9567**.

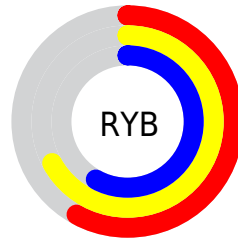
Distribution



Red (67%)

Green (67%)

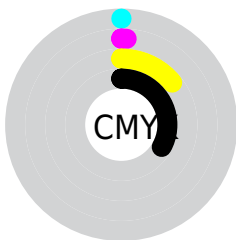
Blue (58%)



Red (58%)

Yellow (67%)

Blue (58%)

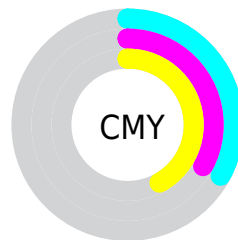


Cyan (0%)

Magenta (1%)

Yellow (14%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4358, 39.5140, 33.3103 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 36.4358, 39.5140, 33.3103 by changing the saturation by 10% instead.


 36.4358, 39.5140,
33.3103


 36.4358, 39.5140,
33.3103


322.2595,
344.0709, 331.7204

 24.9426, 27.1598,
22.0912


 69.0237, 74.4229,
65.9813

 16.1628, 17.6933,
13.7250


 90.8491, 97.7464,
88.2702

 9.7310, 10.7300,
7.7931


116.8493,
125.4951, 115.0862

 5.2819, 5.8856,
3.8770

147.3896,
158.0534, 146.8477

 2.4500, 2.7756,
1.5581

182.8354,
195.8058, 183.9734

 0.8701, 1.0158,
0.2606

223.5521,

 0.0000, 0.0000,

239.1365, 226.8817

0.0000

269.9050,
288.4301, 275.9912

■ 36.4358, 39.5140,
33.3103

■ 36.4358, 39.5140,
33.3103

■ 35.0602, 38.7527,
26.7165

■ 38.0137, 40.3600,
40.9567

■ 33.8750, 38.0674,
21.1265

■ 39.7991, 41.2888,
49.6964

■ 32.8718, 37.4561,
16.4915

■ 41.8007, 42.3053,
59.5712

■ 32.0405, 36.9146,
12.7577

■ 44.0258, 43.4123,
70.6198

■ 31.3697, 36.4385,
9.8659

■ 46.4816, 44.6128,
82.8793

■ 30.8468, 36.0227,
7.7498

■ 49.1747, 45.9093,
96.3850

■ 30.4575, 35.6615,
6.3333

■ 50.1696, 46.5277,
100.9443

■ 30.1844, 35.3478,
5.5248

■ 50.3081, 46.8048,
100.9904

■ 30.0526, 35.1738,
5.2053

■ 50.4474, 47.0833,
101.0369

Harmonies

Analogous

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



38.4252, 39.5140, 33.1355



36.4358, 39.5140, 33.3103



34.8039, 39.5140, 35.9358

Triad

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



36.4358, 39.5140, 33.3103



34.9926, 39.5140, 51.6262



41.4409, 39.5140, 45.5394

Complementary

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



36.4358, 39.5140, 33.3103



29.9731, 30.3225, 42.8015

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.



40.4513, 39.5140, 50.9880



36.4358, 39.5140, 33.3103



36.7017, 39.5140, 54.7069

Square

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



36.4358, 39.5140, 33.3103



33.9913, 39.5140, 46.3494



38.7007, 39.5140, 54.4634



41.3635, 39.5140, 39.8617

Rectangle

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



36.4358, 39.5140, 33.3103



34.1170, 39.5140, 38.8667



38.7007, 39.5140, 54.4634



41.2206, 39.5140, 47.4678

Sweetspot

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



36.4369, 39.5157, 33.3111



68.0693, 72.2764, 73.2979



32.5899, 31.6703, 32.4959



15.1304, 16.0919, 16.1057



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.



36.4369, 39.5157, 33.3111



64.4121, 70.3081, 55.5978



34.3670, 38.7270, 33.2680



8.6338, 9.2723, 8.5481



22.6649, 26.5352, 3.9272



0.6391, 0.7553, 0.1121

Inverse Universe

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



29.9731, 30.3225, 42.8015



50.4604, 50.4650, 76.0831



31.8461, 31.0571, 42.8446



7.6046, 7.8085, 10.0591



5.6091, 2.3521, 29.2029



0.1645, 0.0823, 0.8152

Previews

White Background



This preview shows how the XYZ color 36.4358, 39.5140, 33.3103 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 36.4358, 39.5140, 33.3103 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

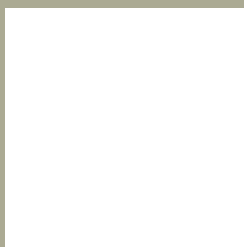
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4358, 39.5140, 33.3103

Background



This preview shows how black text looks on a background with the XYZ color 36.4358, 39.5140, 33.3103.



This preview shows how white text looks on a background with the XYZ color 36.4358, 39.5140,

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

36.4358, 39.5140, 33.3103

Protanopia

37.3224, 39.4277, 32.8373

Deuteranopia

40.0834, 39.2171, 33.8908



Tritanopia

39.4521, 39.6411, 48.2200

Trichromacy



Original Color

36.4358, 39.5140, 33.3103

Protanomaly

37.0555, 39.5652, 32.8779

Deuteranomaly

38.5676, 39.2387, 33.5581

Tritanomaly

38.2493, 39.4261, 42.1533

Monochromacy



Original Color

36.4358, 39.5140, 33.3103

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.8953, 39.3490, 38.9082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4358, 39.5140, 33.3103 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(171, 170, 147)` looks like.

```
.text, #text, p{  
    color:rgb(171, 170, 147)  
}
```

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(171, 170, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 170, 147) }
```

Border

The CSS property to change the border of an element to XYZ 36.4358, 39.5140, 33.3103 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(171, 170, 147) }
```


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

```
.border{ border-color:rgb(171, 170, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 170, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 170, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 170, 147);  
box-shadow:4px 4px 4px 4px rgb(171, 170,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4358, 39.5140, 33.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 170, 147) }
```

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

```
.background{ background-color: rgb(171,  
170, 147) }
```

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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