

Converting Colors

XYZ(32.0418, 33.2972, 39.3835)

Have a look what the booklet for
XYZ(32.0418, 33.2972, 39.3835)
contains.

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Color

**XYZ(32.2096, 33.4892,
39.4168)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9CA3
RGB	156, 156, 163
RGB Percent	61%, 61%, 64%
CMY	0.3882, 0.3882, 0.3608
CMYK	0.04, 0.04, 0.00, 0.36
HSL	240°, 4%, 63%
HSV	240°, 4%, 64%
XYZ	32.2096, 33.4892, 39.4168
YIQ	156.7980, -2.2470, 2.1770

Conversions

Conversions Part 2

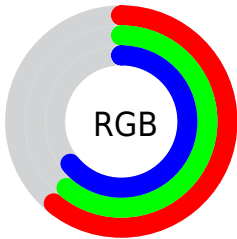
Format	Color
R_{YB}	156, 156, 163
Decimal	10263715
CIE Lab	64.56, 1.37, -3.65
CIE LCh	65, 3.902, 290.605
Yxy	33.4892, 0.3064, 0.3186
Android (android.graphics.Color)	4288453795 (0xFF9C9CA3)
YUV	156.7980, 3.0576, -0.6998
Hunter-Lab	57.8699, -1.9215, 0.1248

Details

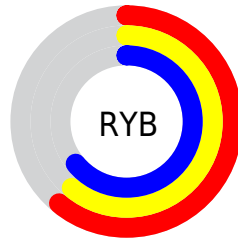
The XYZ color **32.2096, 33.4892, 39.4168** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.2022, 36.3808, 36.6725**, and the grayscale version is **31.9453, 33.6089, 36.6001**.

A 20% lighter version of the original color is **62.2798, 64.8568, 75.5658**, and **13.7465, 14.2541, 17.0657** is the 20% darker color. If you saturate the color by 10%, you get **26.7117, 26.8655, 38.4286**, and if you desaturate by 10%, it is **38.4996, 41.0675, 40.5486**.

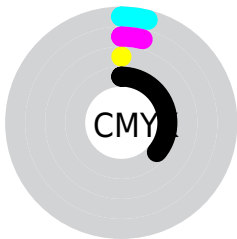
Distribution



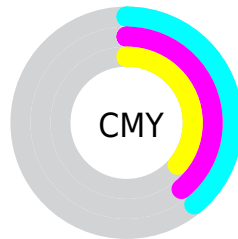
- Red (61%)
- Green (61%)
- Blue (64%)



- Red (61%)
- Yellow (61%)
- Blue (64%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (36%)



- Cyan (39%)
- Magenta (39%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2096, 33.4892, 39.4168 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 32.2096, 33.4892, 39.4168 by changing the saturation by 10% instead.

■ 32.2096, 33.4892,
39.4168

■ 32.2096, 33.4892,
39.4168

303.8013,
317.8484, 359.1380

■ 21.6780, 22.5015,
26.7738

■ 62.5025, 65.1385,
75.5020

■ 13.7357, 14.2258,
17.1725

■ 82.9945, 86.5689,
99.7812

■ 8.0176, 8.2779,
10.1943

107.5373,
112.2490, 128.7763

■ 4.1581, 4.2733,
5.4207

136.4963,
142.5632, 162.9057

■ 1.7920, 1.8276,
2.4331

170.2369,
177.8958, 202.5881

■ 0.5128, 0.5043,
0.8044

209.1243,

■ 0.0000, 0.0000,

218.6313, 248.2419

0.0000

253.5240,
265.1540, 300.2857

■ 32.2096, 33.4892,
39.4168

■ 32.2096, 33.4892,
39.4168

■ 26.7117, 26.8655,
38.4286

■ 38.4996, 41.0675,
40.5486

■ 21.9716, 21.1545,
37.5761

■ 45.6081, 49.6316,
41.8269

■ 17.9571, 16.3176,
36.8540

■ 53.5642, 59.2168,
43.2577

■ 14.6323, 12.3115,
36.2560

■ 62.3945, 69.8550,
44.8457

■ 11.9584, 9.0897,
35.7751

■ 72.1245, 81.5769,
46.5954

■ 9.8929, 6.6006,
35.4035

■ 82.7786, 94.4121,
48.5113

■ 8.3879, 4.7869,
35.1327

■ 83.6110, 95.4244,
48.6629

■ 7.3886, 3.5824,
34.9529

■ 6.8290, 2.9076,
34.8522

Harmonies

Analogous

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



31.6556, 33.4892, 39.5807



32.2096, 33.4892, 39.4168



32.6669, 33.4892, 38.4494

Triad

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



32.2096, 33.4892, 39.4168



32.5164, 33.4892, 34.1404



30.7835, 33.4892, 35.9647

Complementary

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



32.2096, 33.4892, 39.4168



34.2022, 36.3808, 36.6725

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.



31.0084, 33.4892, 34.5483



32.2096, 33.4892, 39.4168



32.0060, 33.4892, 33.5155

Square

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



32.2096, 33.4892, 39.4168



32.8455, 33.4892, 35.3932



31.4543, 33.4892, 33.6626



30.8366, 33.4892, 37.5563

Rectangle

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



32.2096, 33.4892, 39.4168



32.8534, 33.4892, 37.4941



31.4543, 33.4892, 33.6626



30.8290, 33.4892, 35.4531

Sweetspot

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



32.2106, 33.4906, 39.4175



61.2171, 64.2327, 71.2278



33.4084, 35.9030, 39.7653



13.7635, 14.4437, 16.0000



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.



32.2106, 33.4906, 39.4175



56.8485, 58.9695, 70.4421



32.8740, 33.8319, 39.4484



7.1779, 7.4353, 8.9599



5.1385, 2.0564, 27.0559



0.1080, 0.0433, 0.5685

Inverse Universe

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



32.9942, 33.9643, 36.2710



58.5040, 59.9703, 63.7946



33.5191, 36.0294, 36.6406



7.4074, 7.5741, 8.0384



11.7392, 6.0517, 0.5511



0.2467, 0.1272, 0.0118

Previews

White Background



This preview shows how the XYZ color 32.2096, 33.4892, 39.4168 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 32.2096, 33.4892, 39.4168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

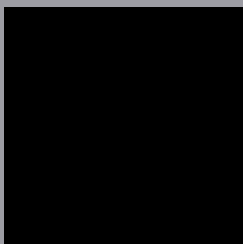
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

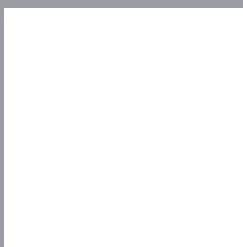
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2096, 33.4892, 39.4168

Background



This preview shows how black text looks on a background with the XYZ color 32.2096, 33.4892, 39.4168.



This preview shows how white text looks on a background with the XYZ color 32.2096, 33.4892,

39.4168.

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

32.2096, 33.4892, 39.4168

Protanopia

32.4040, 33.5894, 39.4259

Deuteranopia

34.0775, 33.4616, 39.7846



Tritanopia

32.6939, 33.4379, 41.7768

Trichromacy



Original Color

32.2096, 33.4892, 39.4168

Protanomaly

32.4040, 33.5894, 39.4259

Deuteranomaly

33.4019, 33.3553, 39.7997

Tritanomaly

32.5089, 33.3640, 40.8029

Monochromacy



Original Color

32.2096, 33.4892, 39.4168

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.2196, 33.7852, 37.6239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2096, 33.4892, 39.4168 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(156, 156, 163)` looks like.

```
.text, #text, p{  
    color:rgb(156, 156, 163)  
}
```

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(156, 156, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 156, 163) }
```

Border

The CSS property to change the border of an element to XYZ 32.2096, 33.4892, 39.4168 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(156, 156, 163) }
```


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

```
.border{ border-color:rgb(156, 156, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 156, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 156, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 156, 163);  
box-shadow:4px 4px 4px 4px rgb(156, 156,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2096, 33.4892, 39.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 156, 163) }
```

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

```
.background{ background-color: rgb(156,  
156, 163) }
```

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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