

Converting Colors

XYZ(31.3711, 32.4437, 36.4729)

Have a look what the booklet for
XYZ(31.3711, 32.4437, 36.4729)
contains.

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Color

**XYZ(31.3817, 32.3849,
36.4952)**

Conversions

Conversions Part 1

Format	Color
Hex	9D999D
RGB	157, 153, 157
RGB Percent	62%, 60%, 62%
CMY	0.3843, 0.4000, 0.3843
CMYK	0.00, 0.03, 0.00, 0.38
HSL	300°, 2%, 61%
HSV	300°, 3%, 62%
XYZ	31.3817, 32.3849, 36.4952
YIQ	154.6520, 1.1000, 2.0920

Conversions

Conversions Part 2

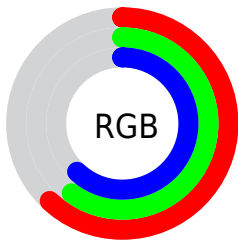
Format	Color
RYB	157, 153, 157
Decimal	10328477
CIELab	63.66, 2.22, -1.58
CIELCh	64, 2.726, 324.501
Yxy	32.3849, 0.3130, 0.3230
Android (android.graphics.Color)	4288518557 (0xFF9D999D)
YUV	154.6520, 1.1576, 2.0592
Hunter-Lab	56.9077, -1.1549, 1.8125

Details

The XYZ color **31.3817, 32.3849, 36.4952** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.9449, 33.1871, 34.9135**, and the grayscale version is **30.9975, 32.6118, 35.5142**.

A 20% lighter version of the original color is **61.3479, 63.3762, 71.2868**, and **13.2967, 13.6075, 15.5614** is the 20% darker color. If you saturate the color by 10%, you get **28.9796, 27.5803, 35.6946**, and if you desaturate by 10%, it is **34.1238, 37.8685, 37.4100**.

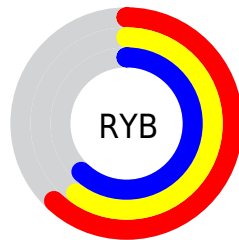
Distribution



Red (62%)

Green (60%)

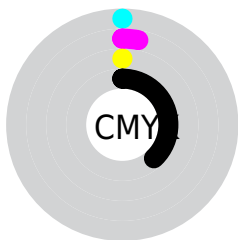
Blue (62%)



Red (62%)

Yellow (60%)

Blue (62%)

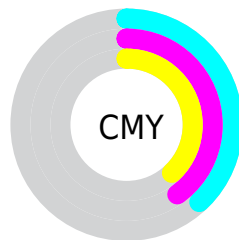


Cyan (0%)

Magenta (3%)

Yellow (0%)

Black (38%)



Cyan (38%)

Magenta (40%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3817, 32.3849, 36.4952 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 31.3817, 32.3849, 36.4952 by changing the saturation by 10% instead.

■ 31.3817, 32.3849,
36.4952

■ 31.3817, 32.3849,
36.4952

300.0885,
312.8689, 346.2225

■ 21.0429, 21.6557,
24.5242

■ 61.2123, 63.4140,
70.9733

■ 13.2680, 13.6041,
15.5071

■ 81.4348, 84.4827,
94.3175

■ 7.6916, 7.8458,
9.0255

105.6826,
109.7666, 122.2899

■ 3.9484, 3.9965,
4.6608

134.3211,
139.6501, 155.3089

■ 1.6730, 1.6716,
1.9944

167.7156,
174.5178, 193.7931

■ 0.4393, 0.4052,
0.5518

206.2314,

■ 0.0000, 0.0000,

214.7538, 238.1611

0.0000

250.2339,
260.7427, 288.8314

■ 31.3817, 32.3849,
36.4952

■ 31.3817, 32.3849,
36.4952

■ 28.9796, 27.5803,
35.6946

■ 34.1238, 37.8685,
37.4100

■ 26.9016, 23.4244,
35.0016

■ 37.2155, 44.0517,
38.4408

■ 25.1347, 19.8907,
34.4123

■ 40.6694, 50.9595,
39.5925

■ 23.6638, 16.9491,
33.9217

■ 44.4968, 58.6142,
40.8686

■ 22.4729, 14.5675,
33.5244

■ 48.7084, 67.0373,
42.2728

■ 21.5442, 12.7101,
33.2145

■ 53.3145, 76.2495,
43.8085

■ 20.8579, 11.3376,
32.9854

■ 55.7512, 81.1228,
44.6211

■ 20.3915, 10.4048,
32.8295

■ 55.7513, 81.1228,
44.6214

■ 20.1181, 9.8581,
32.7381

■ 55.7514, 81.1228,
44.6218

Harmonies

Analogous

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



31.0860, 32.3849, 37.2073



31.3817, 32.3849, 36.4952



31.5165, 32.3849, 35.4633

Triad

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



31.3817, 32.3849, 36.4952



30.8512, 32.3849, 33.2124



30.1185, 32.3849, 36.1397

Complementary

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



31.3817, 32.3849, 36.4952



30.9449, 33.1871, 34.9135

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.



30.0568, 32.3849, 35.0608



31.3817, 32.3849, 36.4952



30.4778, 32.3849, 33.3851

Square

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



31.3817, 32.3849, 36.4952



31.2086, 32.3849, 33.5795



30.1878, 32.3849, 34.0562



30.3570, 32.3849, 36.9991

Rectangle

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



31.3817, 32.3849, 36.4952



31.4962, 32.3849, 34.7384



30.1878, 32.3849, 34.0562



30.0764, 32.3849, 35.7901

Sweetspot

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



31.3826, 32.3863, 36.4959



56.9121, 59.4193, 65.5962



30.6154, 31.9907, 36.4601



12.5295, 13.0876, 14.4361



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



31.3826, 32.3863, 36.4959



55.9676, 57.5303, 65.2812



31.2133, 32.3186, 35.6045



7.2184, 7.3831, 8.4513



16.2353, 7.7987, 26.5540



0.2903, 0.1394, 0.4748

Inverse Universe

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



31.3826, 32.3863, 36.4959



55.9676, 57.5303, 65.2812



31.1114, 33.2537, 35.7903



7.2184, 7.3831, 8.4513



16.2353, 7.7987, 26.5540



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 31.3817, 32.3849, 36.4952 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 31.3817, 32.3849, 36.4952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

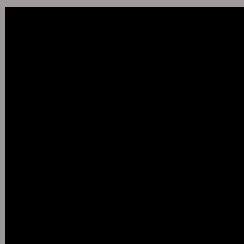
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

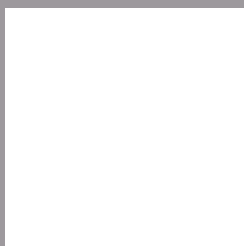
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3817, 32.3849, 36.4952

Background



This preview shows how black text looks on a background with the XYZ color 31.3817, 32.3849, 36.4952.



This preview shows how white text looks on a background with the XYZ color 31.3817, 32.3849,

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

31.3817, 32.3849, 36.4952

Protanopia

31.1873, 32.2847, 36.4861

Deuteranopia

32.8554, 32.1790, 36.8273



Tritanopia

32.0296, 32.4059, 39.6888

Trichromacy



Original Color

31.3817, 32.3849, 36.4952

Protanomaly

31.1873, 32.2847, 36.4861

Deuteranomaly

32.1822, 32.0678, 36.8413

Tritanomaly

31.7618, 32.2988, 38.2785

Monochromacy



Original Color

31.3817, 32.3849, 36.4952

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2667, 32.5794, 36.0930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3817, 32.3849, 36.4952 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(157, 153, 157)` looks like.

```
.text, #text, p{  
    color:rgb(157, 153, 157)  
}
```

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(157, 153, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 153, 157) }
```

Border

The CSS property to change the border of an element to XYZ 31.3817, 32.3849, 36.4952 is called "border". The border property can be set on classes, ids or directly on the HTML element.

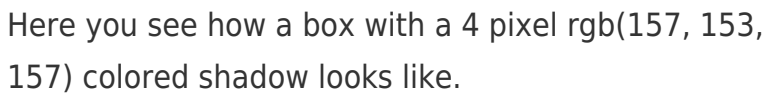
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 153, 157) }
```


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

```
.border{ border-color:rgb(157, 153, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 153, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 153, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 153, 157); box-shadow:4px 4px 4px 4px rgb(157, 153, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3817, 32.3849, 36.4952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 153, 157) }
```

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

```
.background{ background-color: rgb(157,  
153, 157) }
```

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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