

Converting Colors

XYZ(31.4490, 32.0610, 39.2752)

Have a look what the booklet for
XYZ(31.4490, 32.0610, 39.2752)
contains.

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Color

**XYZ(31.5494, 32.1687,
39.1967)**

Conversions

Conversions Part 1

Format	Color
Hex	9C98A3
RGB	156, 152, 163
RGB Percent	61%, 60%, 64%
CMY	0.3882, 0.4039, 0.3608
CMYK	0.04, 0.07, 0.00, 0.36
HSL	262°, 6%, 62%
HSV	262°, 7%, 64%
XYZ	31.5494, 32.1687, 39.1967
YIQ	154.4500, -1.1470, 4.2690

Conversions

Conversions Part 2

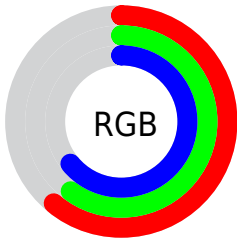
Format	Color
RYB	156, 152, 163
Decimal	10262691
CIELab	63.48, 3.60, -5.24
CIELCh	63, 6.354, 304.509
Yxy	32.1687, 0.3066, 0.3126
Android (android.graphics.Color)	4288452771 (0xFF9C98A3)
YUV	154.4500, 4.2152, 1.3594
Hunter-Lab	56.7175, 0.0361, -1.2723

Details

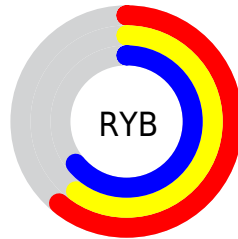
The XYZ color **31.5494, 32.1687, 39.1967** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0639, 35.8332, 34.8811**, and the grayscale version is **30.8961, 32.5051, 35.3981**.

A 20% lighter version of the original color is **61.3045, 62.9062, 75.2407**, and **13.3486, 13.4583, 16.9331** is the 20% darker color. If you saturate the color by 10%, you get **27.1612, 26.2461, 38.2853**, and if you desaturate by 10%, it is **36.4746, 38.9096, 40.2387**.

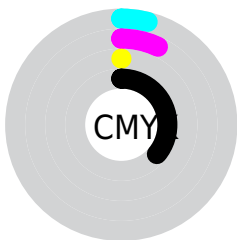
Distribution



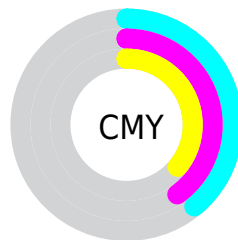
- Red (61%)
- Green (60%)
- Blue (64%)



- Red (61%)
- Yellow (60%)
- Blue (64%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (36%)



- Cyan (39%)
- Magenta (40%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5494, 32.1687, 39.1967 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 31.5494, 32.1687, 39.1967 by changing the saturation by 10% instead.

■ 31.5494, 32.1687,
39.1967

■ 31.5494, 32.1687,
39.1967

300.8434,
311.8870, 358.1770

■ 21.1714, 21.4904,
26.6038

■ 61.4740, 63.0755,
75.1624

■ 13.3625, 13.4829,
17.0461

■ 81.7513, 84.0727,
99.3722

■ 7.7574, 7.7619,
10.1050

106.0592,
109.2784, 128.2914

■ 3.9906, 3.9430,
5.3621

134.7629,
139.0769, 162.3385

■ 1.6968, 1.6417,
2.3988

168.2278,
173.8526, 201.9321

■ 0.4543, 0.3855,
0.7858

206.8193,

■ 0.0000, 0.0000,

213.9899, 247.4906

0.0000

250.9027,
259.8733, 299.4328

■ 31.5494, 32.1687,
39.1967

■ 31.5494, 32.1687,
39.1967

■ 27.1612, 26.2461,
38.2853

■ 36.4746, 38.9096,
40.2387

■ 23.2881, 21.1061,
37.4973

■ 41.9519, 46.4946,
41.4141

■ 19.9110, 16.7162,
36.8280

■ 47.9995, 54.9535,
42.7281

■ 17.0082, 13.0401,
36.2714

■ 54.6337, 64.3133,
44.1851

■ 14.5565, 10.0386,
35.8213

■ 61.8701, 74.5999,
45.7892

■ 12.5304, 7.6683,
35.4705

■ 69.7240, 85.8380,
47.5444

■ 10.9017, 5.8806,
35.2113

■ 74.5644, 90.7607,
48.2395

■ 9.6382, 4.6197,
35.0345

■ 77.9674, 92.5150,
48.3987

■ 8.6948, 3.8041,
34.9268

■ 81.5714, 94.3730,
48.5674

Harmonies

Analogous

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



30.7093, 32.1687, 40.1116



31.5494, 32.1687, 39.1967



32.1369, 32.1687, 37.1653

Triad

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



31.5494, 32.1687, 39.1967



31.3134, 32.1687, 30.8096



28.9105, 32.1687, 35.4107

Complementary

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



31.5494, 32.1687, 39.1967



33.0639, 35.8332, 34.8811

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.



29.0653, 32.1687, 32.9709



31.5494, 32.1687, 39.1967



30.4418, 32.1687, 30.3900

Square

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



31.5494, 32.1687, 39.1967



31.9989, 32.1687, 32.3377



29.6216, 32.1687, 31.1626



29.1948, 32.1687, 37.8598

Rectangle

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



31.5494, 32.1687, 39.1967



32.3004, 32.1687, 35.4946



29.6216, 32.1687, 31.1626



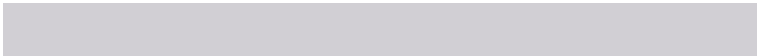
28.9129, 32.1687, 34.5621

Sweetspot

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



31.5503, 32.1701, 39.1974



60.5355, 63.1127, 71.0475



31.9848, 34.1687, 39.5603



13.6190, 14.2063, 15.9618



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.



31.5503, 32.1701, 39.1974



55.3448, 56.0397, 69.9559



32.6087, 32.7157, 39.2469



6.9322, 6.9794, 8.8849



6.5975, 2.8076, 27.1240



0.1892, 0.0851, 0.5723

Inverse Universe

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



32.5916, 32.7476, 37.4056



57.5819, 57.2808, 66.0928



32.0257, 35.2979, 34.8325



7.2545, 7.1583, 8.3268



13.6931, 6.8333, 10.8404



0.3092, 0.1522, 0.3408

Previews

White Background



This preview shows how the XYZ color 31.5494, 32.1687, 39.1967 looks on a white background.

Color Contrast Check

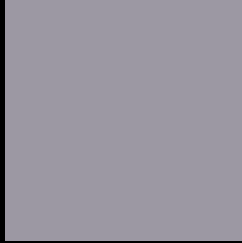
Large Text (above 18pt) WCAG AA × Fail

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 31.5494, 32.1687, 39.1967 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 31.5494, 32.1687, 39.1967

Background



This preview shows how black text looks on a background with the XYZ color 31.5494, 32.1687, 39.1967.



This preview shows how white text looks on a background with the XYZ color 31.5494, 32.1687,

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

31.5494, 32.1687, 39.1967

Protanopia

31.3285, 32.2968, 39.2331

Deuteranopia

32.7581, 32.0677, 39.5851



Tritanopia

31.6394, 32.2047, 39.6705

Trichromacy



Original Color

31.5494, 32.1687, 39.1967

Protanomaly

31.5197, 32.3954, 39.2420

Deuteranomaly

32.3051, 32.0701, 39.6094

Tritanomaly

31.6394, 32.2047, 39.6705

Monochromacy



Original Color

31.5494, 32.1687, 39.1967

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.9946, 32.1853, 36.4771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5494, 32.1687, 39.1967 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, 152, 163) looks like.

```
.text, #text, p{  
    color:rgb(156, 152, 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, 152, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 152, 163) }
```

Border

The CSS property to change the border of an element to XYZ 31.5494, 32.1687, 39.1967 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, 152, 163) }
```


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

```
.border{ border-color:rgb(156, 152, 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, 152, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 152, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 152, 163);  
box-shadow:4px 4px 4px 4px rgb(156, 152,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5494, 32.1687, 39.1967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 152, 163) }
```

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

```
.background{ background-color: rgb(156,  
152, 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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