

Converting Colors

XYZ(32.3293, 39.0091, 31.5648)

Have a look what the booklet for
XYZ(32.3293, 39.0091, 31.5648)
contains.

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Color

**XYZ(32.4404, 39.2067,
31.4490)**

Conversions

Conversions Part 1

Format	Color
Hex	93B08E
RGB	147, 176, 142
RGB Percent	58%, 69%, 56%
CMY	0.4235, 0.3098, 0.4431
CMYK	0.16, 0.00, 0.19, 0.31
HSL	111°, 18%, 62%
HSV	111°, 19%, 69%
XYZ	32.4404, 39.2067, 31.4490
YIQ	163.4530, -6.3700, -16.7220

Conversions

Conversions Part 2

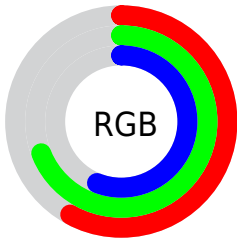
Format	Color
RYB	142, 176, 171
Decimal	9678990
CIELab	68.90, -16.53, 14.18
CIELCh	69, 21.774, 139.379
Yxy	39.2067, 0.3147, 0.3803
Android (android.graphics.Color)	4287869070 (0xFF93B08E)
YUV	163.4530, -10.5763, -14.4293
Hunter-Lab	62.6153, -17.0974, 14.0518

Details

The XYZ color **32.4404, 39.2067, 31.4490** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.3057, 31.1396, 45.2788**, and the grayscale version is **35.0785, 36.9053, 40.1899**.

A 20% lighter version of the original color is **62.9078, 74.1163, 63.2148**, and **13.8386, 17.4254, 12.7593** is the 20% darker color. If you saturate the color by 10%, you get **28.7035, 37.4222, 24.9124**, and if you desaturate by 10%, it is **36.7395, 41.2592, 39.1028**.

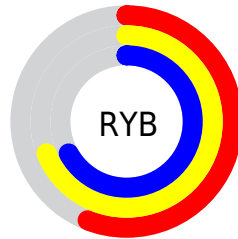
Distribution



Red (58%)

Green (69%)

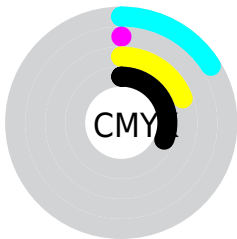
Blue (56%)



Red (56%)

Yellow (69%)

Blue (67%)

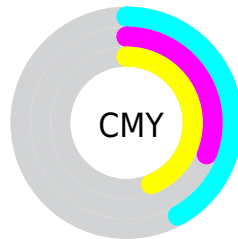


Cyan (16%)

Magenta (0%)

Yellow (19%)

Black (31%)



Cyan (42%)

Magenta (31%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4404, 39.2067, 31.4490 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 32.4404, 39.2067, 31.4490 by changing the saturation by 10% instead.

■ 32.4404, 39.2067,
31.4490

■ 32.4404, 39.2067,
31.4490

304.8303,
342.7685, 323.0166

■ 21.8553, 26.9206,
20.6797

■ 62.8614, 73.9540,
63.0341

■ 13.8666, 17.5136,
12.7011

■ 83.4280, 97.1839,
84.6870

■ 8.1090, 10.6013,
7.0947

■ 108.0525,
124.8306, 110.8048

■ 4.2172, 5.7994,
3.4421

137.1002,
157.2783, 141.8061

■ 1.8257, 2.7235,
1.3246

170.9364,
194.9116, 178.1093

■ 0.5331, 0.9892,
0.0818

209.9267,

■ 0.0000, 0.0000,

238.1148, 220.1331

0.0000

254.4362,
287.2723, 268.2961

■ 32.4404, 39.2067,
31.4490

■ 32.4404, 39.2067,
31.4490

■ 28.7035, 37.4222,
24.9124

■ 36.7395, 41.2592,
39.1028

■ 25.5023, 35.8898,
19.4383

■ 41.6195, 43.5848,
47.9198

■ 22.8130, 34.5995,
14.9713

■ 47.1022, 46.1950,
57.9468

■ 20.6086, 33.5387,
11.4501

■ 53.2072, 49.0989,
69.2269

■ 18.8598, 32.6939,
8.8065

■ 59.9534, 52.3053,
81.8015

■ 17.5337, 32.0497,
6.9633

■ 67.3587, 55.8227,
95.7097

■ 16.5932, 31.5890,
5.8298

■ 73.7534, 58.9844,
102.1056

■ 15.9820, 31.2865,
5.2310

■ 74.8161, 59.5322,
102.1554

■ 15.9490, 31.2702,
5.1952

Harmonies

Analogous

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



35.1009, 39.2067, 27.1222



32.4404, 39.2067, 31.4490



31.1018, 39.2067, 39.2736

Triad

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



32.4404, 39.2067, 31.4490



36.0522, 39.2067, 64.2844



43.8986, 39.2067, 36.6750

Complementary

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



32.4404, 39.2067, 31.4490



34.3057, 31.1396, 45.2788

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.



44.1925, 39.2067, 46.2978



32.4404, 39.2067, 31.4490



39.5159, 39.2067, 63.3003

Square

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



32.4404, 39.2067, 31.4490



33.0997, 39.2067, 58.8434



42.5452, 39.2067, 56.3322



41.7654, 39.2067, 29.8007

Rectangle

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



32.4404, 39.2067, 31.4490



31.0796, 39.2067, 45.8699



42.5452, 39.2067, 56.3322



44.2205, 39.2067, 39.6595

Sweetspot

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



32.4414, 39.2084, 31.4499



69.3577, 76.1273, 75.8214



37.3327, 40.2730, 31.3976



14.9133, 16.4419, 16.2197



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



32.4414, 39.2084, 31.4499



55.9466, 69.7279, 51.9563



32.5063, 39.1330, 36.3694



8.5014, 9.5481, 9.0474



11.7331, 22.9587, 3.8131



0.4053, 0.7410, 0.1217

Inverse Universe

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



34.3057, 31.1396, 45.2788



59.9231, 52.5054, 81.4716



34.2888, 31.2611, 39.3976



8.7248, 8.5822, 10.7030



15.0334, 7.0858, 30.7123



0.5063, 0.2401, 0.9679

Previews

White Background



This preview shows how the XYZ color 32.4404, 39.2067, 31.4490 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 32.4404, 39.2067, 31.4490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

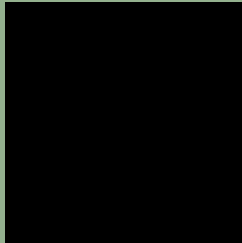
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

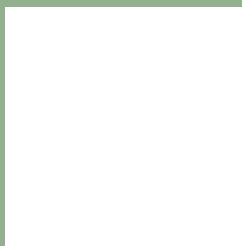
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4404, 39.2067, 31.4490

Background



This preview shows how black text looks on a background with the XYZ color 32.4404, 39.2067, 31.4490.



This preview shows how white text looks on a background with the XYZ color 32.4404, 39.2067,

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

32.4404, 39.2067, 31.4490

Protanopia

36.5376, 38.8195, 29.6119

Deuteranopia

39.5939, 38.7405, 32.1789



Tritanopia

36.3529, 39.0802, 50.9746

Trichromacy



Original Color

32.4404, 39.2067, 31.4490

Protanomaly

34.7608, 38.7205, 30.0678

Deuteranomaly

36.5748, 38.5162, 31.8922

Tritanomaly

34.6765, 38.9489, 43.2264

Monochromacy



Original Color

32.4404, 39.2067, 31.4490

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.8237, 37.5399, 36.4736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4404, 39.2067, 31.4490 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(147, 176, 142)` looks like.

```
.text, #text, p{  
    color:rgb(147, 176, 142)  
}
```

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(147, 176, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 176, 142) }
```

Border

The CSS property to change the border of an element to XYZ 32.4404, 39.2067, 31.4490 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(147, 176, 142) }
```


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

```
.border{ border-color:rgb(147, 176, 142) }
```

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

Here you see how a box with a 4 pixel rgb(147, 176, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 176, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 176, 142);  
box-shadow:4px 4px 4px 4px rgb(147, 176,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4404, 39.2067, 31.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 176, 142) }
```

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

```
.background{ background-color: rgb(147,  
176, 142) }
```

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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