

Converting Colors

XYZ(32.1571, 31.2823, 38.8991)

Have a look what the booklet for
XYZ(32.1571, 31.2823, 38.8991)
contains.

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Color

**XYZ(32.1488, 31.2983,
38.9971)**

Conversions

Conversions Part 1

Format	Color
Hex	A393A3
RGB	163, 147, 163
RGB Percent	64%, 58%, 64%
CMY	0.3608, 0.4235, 0.3608
CMYK	0.00, 0.10, 0.00, 0.36
HSL	300°, 8%, 61%
HSV	300°, 10%, 64%
XYZ	32.1488, 31.2983, 38.9971
YIQ	153.6080, 4.4000, 8.3680

Conversions

Conversions Part 2

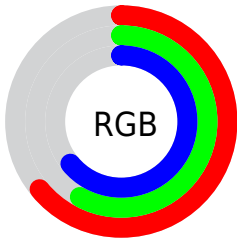
Format	Color
RYB	163, 147, 163
Decimal	10720163
CIELab	62.76, 8.90, -6.24
CIELCh	63, 10.868, 324.948
Yxy	31.2983, 0.3138, 0.3055
Android (android.graphics.Color)	4288910243 (0xFFA393A3)
YUV	153.6080, 4.6303, 8.2368
Hunter-Lab	55.9449, 4.6717, -2.1674

Details

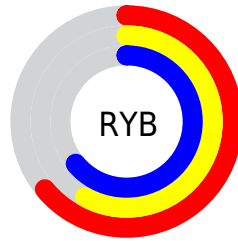
The XYZ color **32.1488, 31.2983, 38.9971** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.3975, 34.5049, 32.6634**, and the grayscale version is **30.5233, 32.1128, 34.9709**.

A 20% lighter version of the original color is **62.4550, 61.7407, 74.9551**, and **13.6077, 12.8929, 16.8103** is the 20% darker color. If you saturate the color by 10%, you get **29.7919, 26.5841, 38.2119**, and if you desaturate by 10%, it is **34.8667, 36.7335, 39.9034**.

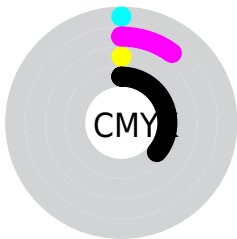
Distribution



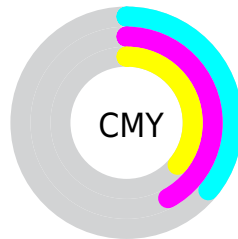
- Red (64%)
- Green (58%)
- Blue (64%)



- Red (64%)
- Yellow (58%)
- Blue (64%)



- Cyan (0%)
- Magenta (10%)
- Yellow (0%)
- Black (36%)



- Cyan (36%)
- Magenta (42%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1488, 31.2983, 38.9971 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 32.1488, 31.2983, 38.9971 by changing the saturation by 10% instead.

■ 32.1488, 31.2983,
38.9971

■ 32.1488, 31.2983,
38.9971

303.5298,
307.9102, 357.3038

■ 21.6313, 20.8261,
26.4497

■ 62.4079, 61.7094,
74.8542

■ 13.7013, 12.9969,
16.9316

■ 82.8802, 82.4171,
99.0009

■ 7.9935, 7.4264,
10.0243

107.4015,
107.3054, 127.8511

■ 4.1426, 3.7302,
5.3092

136.3371,
136.7588, 161.8234

■ 1.7831, 1.5238,
2.3679

170.0523,
171.1615, 201.3363

■ 0.5075, 0.3054,
0.7689

208.9126,

■ 0.0000, 0.0000,

210.8981, 246.8082

0.0000

253.2833,
256.3529, 298.6579

■ 32.1488, 31.2983,
38.9971

■ 32.1488, 31.2983,
38.9971

■ 29.7919, 26.5841,
38.2119

■ 34.8667, 36.7335,
39.9034

■ 27.7783, 22.5569,
37.5407

■ 37.9569, 42.9139,
40.9335

■ 26.0927, 19.1857,
36.9788

■ 41.4338, 49.8677,
42.0924

■ 24.7178, 16.4359,
36.5205

■ 45.3101, 57.6202,
43.3845

■ 23.6346, 14.2696,
36.1594

■ 49.5979, 66.1958,
44.8138

■ 22.8220, 12.6446,
35.8886

■ 54.3089, 75.6177,
46.3841

■ 22.2564, 11.5132,
35.7001

■ 57.4756, 81.9511,
47.4397

■ 21.9095, 10.8196,
35.5844

■ 57.4756, 81.9511,
47.4397

■ 21.7184, 10.4374,
35.5208

■ 57.4757, 81.9511,
47.4397

Harmonies

Analogous

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



30.9695, 31.2983, 42.0488



32.1488, 31.2983, 38.9971



32.6858, 31.2983, 34.8041

Triad

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



32.1488, 31.2983, 38.9971



30.0004, 31.2983, 26.5605



27.2321, 31.2983, 37.6477

Complementary

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



32.1488, 31.2983, 38.9971



30.3975, 34.5049, 32.6634

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.



26.9919, 31.2983, 33.3631



32.1488, 31.2983, 38.9971



28.5592, 31.2983, 27.1850

Square

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



32.1488, 31.2983, 38.9971



31.4193, 31.2983, 27.8095



27.4700, 31.2983, 29.5920



28.1372, 31.2983, 41.2253

Rectangle

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



32.1488, 31.2983, 38.9971



32.5947, 31.2983, 32.0112



27.4700, 31.2983, 29.5920



27.0722, 31.2983, 36.2330

Sweetspot

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



32.1497, 31.2997, 38.9978



60.7934, 62.4875, 70.9132



29.1201, 29.7995, 38.8679



13.5665, 13.8596, 15.8977



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.



32.1497, 31.2997, 38.9978



56.5021, 53.9050, 69.4828



31.4778, 31.0309, 35.4595



7.3643, 7.2022, 8.9051



16.8765, 8.1066, 27.6050



0.3546, 0.1703, 0.5800

Inverse Universe

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



30.8056, 30.7620, 31.9195



53.5524, 52.7251, 53.9495



31.0249, 34.7558, 35.9675



7.0738, 7.0860, 7.3750



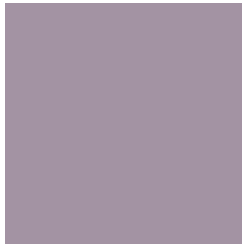
11.7388, 6.0516, 0.5494



0.2467, 0.1272, 0.0115

Previews

White Background



This preview shows how the XYZ color 32.1488, 31.2983, 38.9971 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 32.1488, 31.2983, 38.9971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

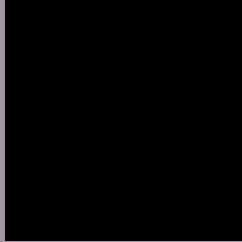
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.1488, 31.2983, 38.9971

Background



This preview shows how black text looks on a background with the XYZ color 32.1488, 31.2983, 38.9971.



This preview shows how white text looks on a background with the XYZ color 32.1488, 31.2983,

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

32.1488, 31.2983, 38.9971

Protanopia

30.6206, 31.4291, 40.0499

Deuteranopia

32.1011, 31.5055, 39.0396



Tritanopia

31.7482, 31.3644, 37.1815

Trichromacy



Original Color

32.1488, 31.2983, 38.9971

Protanomaly

31.1248, 31.4616, 39.5542

Deuteranomaly

32.1011, 31.5055, 39.0396

Tritanomaly

31.8354, 31.3993, 37.6405

Monochromacy



Original Color

32.1488, 31.2983, 38.9971

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.0570, 31.7356, 36.3870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1488, 31.2983, 38.9971 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(163, 147, 163)` looks like.

```
.text, #text, p{  
    color:rgb(163, 147, 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(163, 147, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 147, 163) }
```

Border

The CSS property to change the border of an element to XYZ 32.1488, 31.2983, 38.9971 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(163, 147, 163) }
```


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

```
.border{ border-color:rgb(163, 147, 163) }
```

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

Here you see how a box with a 4 pixel rgb(163, 147, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 147, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 147, 163);  
box-shadow:4px 4px 4px 4px rgb(163, 147,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1488, 31.2983, 38.9971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 147, 163) }
```

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

```
.background{ background-color: rgb(163,  
147, 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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