

Converting Colors

XYZ(31.1368, 31.8958, 41.1238)

Have a look what the booklet for
XYZ(31.1368, 31.8958, 41.1238)
contains.

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Color

**XYZ(31.1522, 31.9219,
41.0789)**

Conversions

Conversions Part 1

Format	Color
Hex	9898A7
RGB	152, 152, 167
RGB Percent	60%, 60%, 65%
CMY	0.4039, 0.4039, 0.3451
CMYK	0.09, 0.09, 0.00, 0.35
HSL	240°, 8%, 63%
HSV	240°, 9%, 65%
XYZ	31.1522, 31.9219, 41.0789
YIQ	153.7100, -4.8150, 4.6650

Conversions

Conversions Part 2

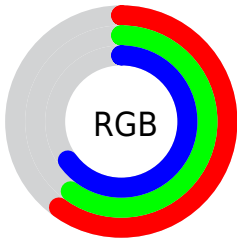
Format	Color
R_{YB}	152, 152, 167
Decimal	10000551
CIE Lab	63.28, 3.02, -7.83
CIE LCh	63, 8.391, 291.089
Yxy	31.9219, 0.2991, 0.3065
Android (android.graphics.Color)	4288190631 (0xFF9898A7)
YUV	153.7100, 6.5520, -1.4997
Hunter-Lab	56.4995, -0.4542, -3.5582

Details

The XYZ color **31.1522, 31.9219, 41.0789** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.4227, 38.1197, 35.1973**, and the grayscale version is **30.5626, 32.1542, 35.0160**.

A 20% lighter version of the original color is **60.7097, 62.5384, 77.9786**, and **13.1150, 13.3119, 18.0979** is the 20% darker color. If you saturate the color by 10%, you get **25.7221, 25.3794, 40.1028**, and if you desaturate by 10%, it is **37.4058, 39.4570, 42.2042**.

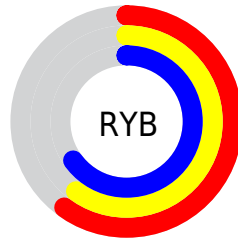
Distribution



Red (60%)

Green (60%)

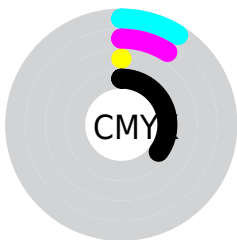
Blue (65%)



Red (60%)

Yellow (60%)

Blue (65%)

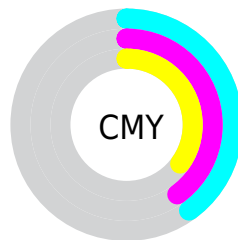


Cyan (9%)

Magenta (9%)

Yellow (0%)

Black (35%)



Cyan (40%)

Magenta (40%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1522, 31.9219, 41.0789 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 31.1522, 31.9219, 41.0789 by changing the saturation by 10% instead.

■ 31.1522, 31.9219,
41.0789

■ 31.1522, 31.9219,
41.0789

299.0533,
310.7633, 366.3367

■ 20.8672, 21.3019,
28.0606

■ 60.8538, 62.6886,
78.0586

■ 13.1388, 13.3448,
18.1319

■ 81.0011, 83.6041,
102.8571

■ 7.6019, 7.6664,
10.8743

105.1666,
108.7202, 132.4194

■ 3.8909, 3.8823,
5.8693

133.7155,
138.4212, 167.1640

■ 1.6406, 1.6079,
2.6982

167.0133,
173.0917, 207.5095

■ 0.4187, 0.3629,
0.9425

205.4253,

■ 0.0000, 0.0000,

213.1159, 253.8744

0.0000

249.3168,
258.8783, 306.6773

■ 31.1522, 31.9219,
41.0789

■ 31.1522, 31.9219,
41.0789

■ 25.7221, 25.3794,
40.1028

■ 37.4058, 39.4570,
42.2042

■ 21.0786, 19.7844,
39.2676

■ 44.5124, 48.0195,
43.4824

■ 17.1860, 15.0942,
38.5674

■ 52.5031, 57.6473,
44.9196

■ 14.0050, 11.2613,
37.9953

■ 61.4069, 68.3753,
46.5210

■ 11.4925, 8.2339,
37.5433

■ 71.2516, 80.2367,
48.2916

■ 9.6009, 5.9546,
37.2031

■ 82.0634, 93.2634,
50.2362

■ 8.2763, 4.3583,
36.9648

■ 83.9752, 95.5701,
50.5807

■ 7.4554, 3.3690,
36.8171

■ 7.0152, 2.8385,
36.7379

Harmonies

Analogous

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



29.9959, 31.9219, 41.4731



31.1522, 31.9219, 41.0789



32.1135, 31.9219, 38.9354

Triad

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



31.1522, 31.9219, 41.0789



31.7665, 31.9219, 30.0106



28.1857, 31.9219, 33.7753

Complementary

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



31.1522, 31.9219, 41.0789



35.4227, 38.1197, 35.1973

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.



28.6346, 31.9219, 30.8897



31.1522, 31.9219, 41.0789



30.6884, 31.9219, 28.8091

Square

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



31.1522, 31.9219, 41.0789



32.4745, 31.9219, 32.5047



29.5436, 31.9219, 29.1204



28.3027, 31.9219, 37.1121

Rectangle

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



31.1522, 31.9219, 41.0789



32.5049, 31.9219, 36.8738



29.5436, 31.9219, 29.1204



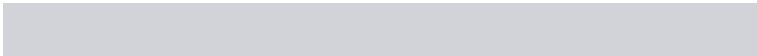
28.2750, 31.9219, 32.7238

Sweetspot

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



31.1531, 31.9232, 41.0796



62.2487, 64.9507, 74.7312



33.7201, 37.0942, 41.8213



13.7308, 14.2946, 16.6876



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.1531, 31.9232, 41.0796



53.5109, 54.4226, 73.1596



32.5516, 32.6437, 41.1450



7.1319, 7.3007, 9.4516



5.3376, 2.1354, 28.1063



0.1299, 0.0520, 0.6838

Inverse Universe

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



32.8328, 32.9397, 34.3348



57.2062, 56.6588, 58.3211



33.9341, 37.3529, 35.1277



7.5312, 7.5423, 7.8484



12.1948, 6.2866, 0.5713



0.2967, 0.1530, 0.0140

Previews

White Background



This preview shows how the XYZ color 31.1522, 31.9219, 41.0789 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 31.1522, 31.9219, 41.0789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

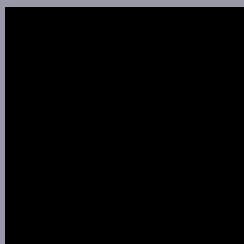
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

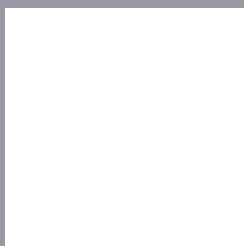
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1522, 31.9219, 41.0789

Background



This preview shows how black text looks on a background with the XYZ color 31.1522, 31.9219, 41.0789.

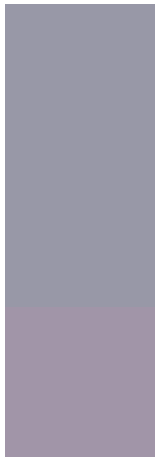


This preview shows how white text looks on a background with the XYZ color 31.1522, 31.9219,

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

31.1522, 31.9219, 41.0789

Protanopia

31.1522, 31.9219, 41.0789

Deuteranopia

32.5133, 31.8991, 41.4893



Tritanopia

30.8780, 31.8122, 39.6349

Trichromacy



Original Color

31.1522, 31.9219, 41.0789

Protanomaly

31.1522, 31.9219, 41.0789

Deuteranomaly

32.0748, 31.9089, 41.5143

Tritanomaly

30.9687, 31.8485, 40.1125

Monochromacy



Original Color

31.1522, 31.9219, 41.0789

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.7861, 32.0580, 37.3661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1522, 31.9219, 41.0789 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(152, 152, 167)` looks like.

```
.text, #text, p{  
    color:rgb(152, 152, 167)  
}
```

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(152, 152, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 152, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.1522, 31.9219, 41.0789 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(152, 152, 167) }
```


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

```
.border{ border-color:rgb(152, 152, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 152, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 152, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 152, 167);  
box-shadow:4px 4px 4px 4px rgb(152, 152,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1522, 31.9219, 41.0789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 152, 167) }
```

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

```
.background{ background-color: rgb(152,  
152, 167) }
```

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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