

Converting Colors

XYZ(31.5183, 32.8270, 30.6215)

Have a look what the booklet for
XYZ(31.5183, 32.8270, 30.6215)
contains.

XYZ(31.6178, 32.8809, 30.6668)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.6178, 32.8809,
30.6668)**

Conversions

Conversions Part 1

Format	Color
Hex	A39A8F
RGB	163, 154, 143
RGB Percent	64%, 60%, 56%
CMY	0.3608, 0.3961, 0.4392
CMYK	0.00, 0.06, 0.12, 0.36
HSL	33°, 10%, 60%
HSV	33°, 12%, 64%
XYZ	31.6178, 32.8809, 30.6668
YIQ	155.4370, 8.8950, -1.5130

Conversions

Conversions Part 2

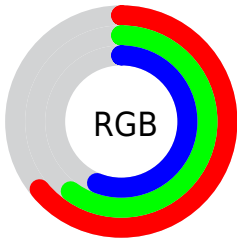
Format	Color
RYB	159, 163, 143
Decimal	10721935
CIELab	64.06, 1.34, 6.94
CIELCh	64, 7.071, 79.075
Yxy	32.8809, 0.3322, 0.3455
Android (android.graphics.Color)	4288912015 (0xFFA39A8F)
YUV	155.4370, -6.1314, 6.6328
Hunter-Lab	57.3419, -1.9249, 8.4306

Details

The XYZ color **31.6178, 32.8809, 30.6668** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1667, 30.9399, 39.0855**, and the grayscale version is **31.3737, 33.0076, 35.9453**.

A 20% lighter version of the original color is **61.5474, 64.0484, 61.9420**, and **13.3816, 13.8703, 12.3279** is the 20% darker color. If you saturate the color by 10%, you get **29.2984, 30.0765, 24.2378**, and if you desaturate by 10%, it is **34.1924, 35.9078, 38.0669**.

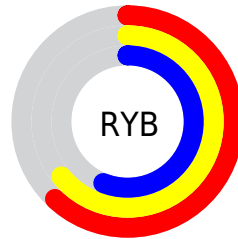
Distribution



Red (64%)

Green (60%)

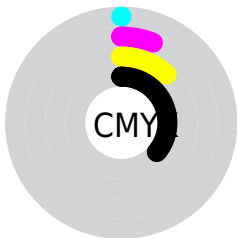
Blue (56%)



Red (62%)

Yellow (64%)

Blue (56%)

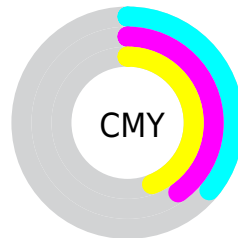


Cyan (0%)

Magenta (6%)

Yellow (12%)

Black (36%)



Cyan (36%)

Magenta (40%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6178, 32.8809, 30.6668 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 31.6178, 32.8809, 30.6668 by changing the saturation by 10% instead.

■ 31.6178, 32.8809,
30.6668

■ 31.6178, 32.8809,
30.6668

301.1508,
315.1127, 319.3038

■ 21.2239, 22.0352,
20.0889

■ 61.5807, 64.1895,
61.7885

■ 13.4011, 13.8828,
12.2750

■ 81.8803, 85.4213,
83.1694

■ 7.7842, 8.0392,
6.8064

106.2126,
110.8839, 108.9884

■ 4.0078, 4.1200,
3.2647

134.9429,
140.9616, 139.6641

■ 1.7066, 1.7409,
1.2313

168.4365,
176.0390, 175.6149

■ 0.4604, 0.4499,
0.0045

207.0588,

■ 0.0000, 0.0000,

216.5004, 217.2595

0.0000

251.1751,
262.7302, 265.0163

■ 31.6178, 32.8809,
30.6668

■ 31.6178, 32.8809,
30.6668

■ 29.2984, 30.0765,
24.2378

■ 34.1924, 35.9078,
38.0669

■ 27.2226, 27.4847,
18.7369

■ 37.0280, 39.1584,
46.4745

■ 25.3815, 25.1008,
14.1206

■ 40.1336, 42.6393,
55.9269

■ 23.7648, 22.9186,
10.3415

■ 43.5169, 46.3556,
66.4585

■ 22.3614, 20.9312,
7.3475

■ 47.1853, 50.3121,
78.1024

■ 21.1588, 19.1314,
5.0805

■ 51.1459, 54.5135,
90.8903

■ 20.1431, 17.5110,
3.4743

■ 55.0652, 58.8282,
103.0605

■ 19.2978, 16.0611,
2.4504

■ 56.8643, 62.4264,
103.6602

■ 18.7333, 15.0443,
1.9165

■ 58.7468, 66.1914,
104.2877

Harmonies

Analogous

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



32.5277, 32.8809, 31.8035



31.6178, 32.8809, 30.6668



30.6287, 32.8809, 30.8497

Triad

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



31.6178, 32.8809, 30.6668



29.4717, 32.8809, 37.6300



32.7264, 32.8809, 39.5280

Complementary

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



31.6178, 32.8809, 30.6668



29.1667, 30.9399, 39.0855

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.



31.8843, 32.8809, 41.2572



31.6178, 32.8809, 30.6668



30.0107, 32.8809, 40.1217

Square

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



31.6178, 32.8809, 30.6668



29.4038, 32.8809, 34.7691



30.8896, 32.8809, 41.4800



33.1768, 32.8809, 36.8546

Rectangle

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



31.6178, 32.8809, 30.6668



30.0570, 32.8809, 31.6982



30.8896, 32.8809, 41.4800



32.4789, 32.8809, 40.2449

Sweetspot

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



31.6187, 32.8824, 30.6675



60.3693, 63.3002, 65.6513



30.5946, 29.6989, 33.8261



13.4812, 14.1266, 14.5203



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.



31.6187, 32.8824, 30.6675



55.3289, 57.3365, 51.2789



32.9558, 35.8593, 31.1716



7.3816, 7.7016, 7.4776



14.6049, 11.7838, 1.5047



0.3532, 0.3403, 0.0471

Inverse Universe

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



29.1667, 30.9399, 39.0855



49.9720, 53.0930, 69.6703



27.9354, 28.2190, 38.6252



6.9506, 7.3601, 8.9574



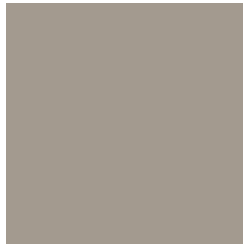
7.0504, 5.8801, 27.6932



0.1951, 0.2175, 0.5976

Previews

White Background



This preview shows how the XYZ color 31.6178, 32.8809, 30.6668 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 31.6178, 32.8809, 30.6668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

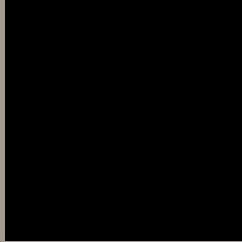
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6178, 32.8809, 30.6668

Background



This preview shows how black text looks on a background with the XYZ color 31.6178, 32.8809, 30.6668.



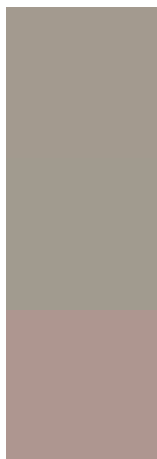
This preview shows how white text looks on a background with the XYZ color 31.6178, 32.8809,

30.6668.

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

31.6178, 32.8809, 30.6668

Protanopia

31.3772, 33.0029, 30.7030

Deuteranopia

33.3959, 32.8250, 30.9613



Tritanopia

33.4034, 32.8846, 39.2371

Trichromacy



Original Color

31.6178, 32.8809, 30.6668

Protanomaly

31.5796, 33.1072, 30.7125

Deuteranomaly

32.6782, 32.6929, 30.9736

Tritanomaly

32.7460, 32.8561, 36.0684

Monochromacy



Original Color

31.6178, 32.8809, 30.6668

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.4078, 32.9462, 33.9820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6178, 32.8809, 30.6668 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, 154, 143)` looks like.

```
.text, #text, p{  
    color:rgb(163, 154, 143)  
}
```

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, 154, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 154, 143) }
```

Border

The CSS property to change the border of an element to XYZ 31.6178, 32.8809, 30.6668 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, 154, 143) }
```


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

```
.border{ border-color:rgb(163, 154, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 154, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 154, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 154, 143);  
box-shadow:4px 4px 4px 4px rgb(163, 154,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6178, 32.8809, 30.6668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 154, 143) }
```

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

```
.background{ background-color: rgb(163,  
154, 143) }
```

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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