

Converting Colors

XYZ(30.0251, 31.1950, 30.1368)

Have a look what the booklet for
XYZ(30.0251, 31.1950, 30.1368)
contains.

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Color

**XYZ(29.8894, 31.0348,
30.0062)**

Conversions

Conversions Part 1

Format	Color
Hex	9E968E
RGB	158, 150, 142
RGB Percent	62%, 59%, 56%
CMY	0.3804, 0.4117, 0.4431
CMYK	0.00, 0.05, 0.10, 0.38
HSL	30°, 8%, 59%
HSV	30°, 10%, 62%
XYZ	29.8894, 31.0348, 30.0062
YIQ	151.4800, 7.3360, -0.7920

Conversions

Conversions Part 2

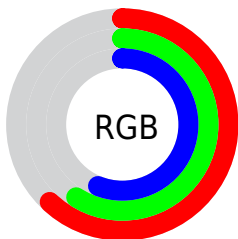
Format	Color
R _Y B	158, 158, 142
Decimal	10393230
CIE Lab	62.54, 1.49, 5.26
CIE LCh	63, 5.465, 74.157
Yxy	31.0348, 0.3287, 0.3413
Android (android.graphics.Color)	4288583310 (0xFF9E968E)
YUV	151.4800, -4.6736, 5.7180
Hunter-Lab	55.7089, -1.7202, 7.0611

Details

The XYZ color **29.8894, 31.0348, 30.0062** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.2332, 30.0316, 36.6567**, and the grayscale version is **29.6391, 31.1827, 33.9579**.

A 20% lighter version of the original color is **58.9972, 61.3174, 60.9505**, and **12.4570, 12.8222, 11.9436** is the 20% darker color. If you saturate the color by 10%, you get **27.5685, 28.1585, 23.7889**, and if you desaturate by 10%, it is **32.4652, 34.1509, 37.1389**.

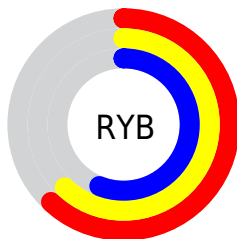
Distribution



Red (62%)

Green (59%)

Blue (56%)



Red (62%)

Yellow (62%)

Blue (56%)

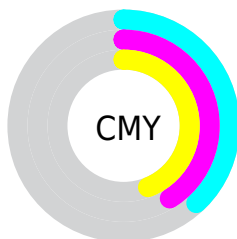


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (38%)



Cyan (38%)

Magenta (41%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8894, 31.0348, 30.0062 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 29.8894, 31.0348, 30.0062 by changing the saturation by 10% instead.

■ 29.8894, 31.0348,
30.0062

■ 29.8894, 31.0348,
30.0062

293.3077,
306.6986, 316.1416

■ 19.9023, 20.6253,
19.5912

■ 58.8751, 61.2949,
60.7331

■ 12.4319, 12.8504,
11.9171

■ 78.6043, 81.9143,
81.8821

■ 7.1128, 7.3256,
6.5654

■ 102.3117,
106.7058, 107.4462

■ 3.5797, 3.6666,
3.1175

130.3626,
136.0537, 137.8438

■ 1.4672, 1.4889,
1.1550

163.1222,
170.3426, 173.4937

■ 0.3034, 0.2809,
0.0000

200.9561,

■ 0.0000, 0.0000,

209.9568, 214.8142

0.0000

244.2294,
255.2807, 262.2240

■ 29.8894, 31.0348,
30.0062

■ 29.8894, 31.0348,
30.0062

■ 27.5685, 28.1585,
23.7889

■ 32.4652, 34.1509,
37.1389

■ 25.4912, 25.5120,
18.4474

■ 35.3014, 37.5088,
45.2203

■ 23.6491, 23.0899,
13.9420

■ 38.4069, 41.1153,
54.2847

■ 22.0322, 20.8857,
10.2293

■ 41.7891, 44.9759,
64.3639

■ 20.6300, 18.8921,
7.2620

■ 45.4551, 49.0959,
75.4885

■ 19.4305, 17.1014,
4.9874

■ 49.4120, 53.4804,
87.6874

■ 18.4207, 15.5050,
3.3461

■ 53.6662, 58.1342,
100.9887

■ 17.5855, 14.0938,
2.2682

■ 55.9905, 62.1687,
103.6565

■ 16.8988, 12.8654,
1.5926

■ 58.0278, 66.2433,
104.3356

Harmonies

Analogous

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



30.5346, 31.0348, 31.0206



29.8894, 31.0348, 30.0062



29.1496, 31.0348, 29.9774

Triad

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



29.8894, 31.0348, 30.0062



28.1339, 31.0348, 34.8023



30.5042, 31.0348, 36.8130

Complementary

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



29.8894, 31.0348, 30.0062



28.2332, 30.0316, 36.6567

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.



29.8485, 31.0348, 37.9164



29.8894, 31.0348, 30.0062



28.4845, 31.0348, 36.7229

Square

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



29.8894, 31.0348, 30.0062



28.1444, 31.0348, 32.6869



29.1093, 31.0348, 37.8827



30.8935, 31.0348, 34.9210

Rectangle

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



29.8894, 31.0348, 30.0062



28.7027, 31.0348, 30.5176



29.1093, 31.0348, 37.8827



30.3071, 31.0348, 37.2919

Sweetspot

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



29.8903, 31.0362, 30.0069



57.5363, 60.3135, 63.4696



29.2790, 28.8176, 32.8738



12.8878, 13.4967, 14.0761



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



29.8903, 31.0362, 30.0069



53.3535, 55.2239, 51.9754



31.2103, 33.6762, 30.4469



6.8934, 7.1668, 7.0057



13.5735, 10.3827, 1.2887



0.2850, 0.2702, 0.0371

Inverse Universe

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



28.2332, 30.0316, 36.6567



49.7690, 53.0508, 66.3602



27.0003, 27.5659, 36.2458



6.5449, 6.9555, 8.4043



7.2199, 6.5313, 26.7874



0.1714, 0.2014, 0.4931

Previews

White Background



This preview shows how the XYZ color 29.8894, 31.0348, 30.0062 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 29.8894, 31.0348, 30.0062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

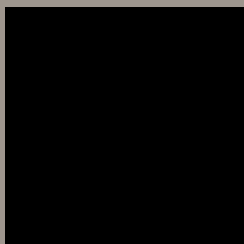
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

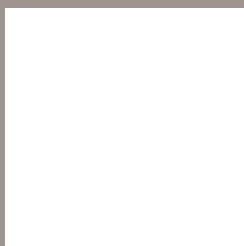
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8894, 31.0348, 30.0062

Background



This preview shows how black text looks on a background with the XYZ color 29.8894, 31.0348, 30.0062.



This preview shows how white text looks on a background with the XYZ color 29.8894, 31.0348,

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

29.8894, 31.0348, 30.0062

Protanopia

29.6594, 31.1541, 30.0413

Deuteranopia

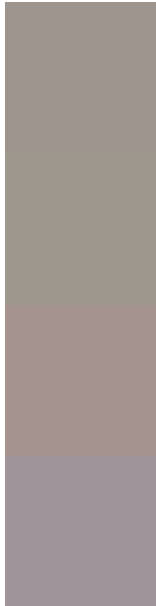
31.5990, 30.9760, 30.3001



Tritanopia

31.1889, 30.8442, 37.1106

Trichromacy



Original Color

29.8894, 31.0348, 30.0062

Protanomaly

29.8537, 31.2543, 30.0504

Deuteranomaly

30.9087, 30.8499, 30.3122

Tritanomaly

30.6377, 30.8506, 34.4770

Monochromacy



Original Color

29.8894, 31.0348, 30.0062

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.7383, 31.1414, 32.4605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8894, 31.0348, 30.0062 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(158, 150, 142)` looks like.

```
.text, #text, p{  
    color:rgb(158, 150, 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(158, 150, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 150, 142) }
```

Border

The CSS property to change the border of an element to XYZ 29.8894, 31.0348, 30.0062 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(158, 150, 142) }
```


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

```
.border{ border-color:rgb(158, 150, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 150, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 150, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 150, 142);  
box-shadow:4px 4px 4px 4px rgb(158, 150,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8894, 31.0348, 30.0062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 150, 142) }
```

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

```
.background{ background-color: rgb(158,  
150, 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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