

Converting Colors

XYZ(31.0253, 33.5134, 29.9703)

Have a look what the booklet for
XYZ(31.0253, 33.5134, 29.9703)
contains.

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Color

**XYZ(31.1351, 33.6459,
30.0526)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9E8D
RGB	158, 158, 141
RGB Percent	62%, 62%, 55%
CMY	0.3804, 0.3804, 0.4471
CMYK	0.00, 0.00, 0.11, 0.38
HSL	60°, 8%, 59%
HSV	60°, 11%, 62%
XYZ	31.1351, 33.6459, 30.0526
YIQ	156.0620, 5.4570, -5.2870

Conversions

Conversions Part 2

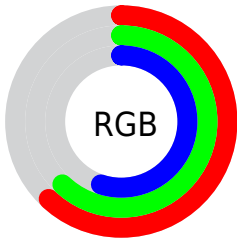
Format	Color
RYB	141, 158, 141
Decimal	10395277
CIELab	64.68, -3.09, 8.89
CIELCh	65, 9.408, 109.161
Yxy	33.6459, 0.3283, 0.3548
Android (android.graphics.Color)	4288585357 (0xFF9E9E8D)
YUV	156.0620, -7.4256, 1.6996
Hunter-Lab	58.0051, -5.6963, 9.8852

Details

The XYZ color **31.1351, 33.6459, 30.0526** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.6823, 27.1820, 36.1899**, and the grayscale version is **31.6587, 33.3074, 36.2718**.

A 20% lighter version of the original color is **61.0851, 65.6748, 61.0867**, and **13.2094, 14.3965, 11.9801** is the 20% darker color. If you saturate the color by 10%, you get **30.0421, 33.2097, 24.2961**, and if you desaturate by 10%, it is **32.3977, 34.1521, 36.6940**.

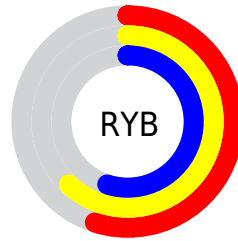
Distribution



Red (62%)

Green (62%)

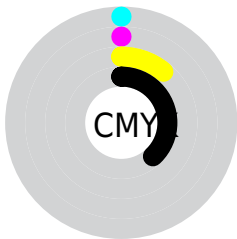
Blue (55%)



Red (55%)

Yellow (62%)

Blue (55%)

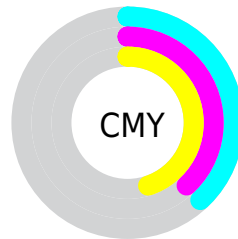


Cyan (0%)

Magenta (0%)

Yellow (11%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1351, 33.6459, 30.0526 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 31.1351, 33.6459, 30.0526 by changing the saturation by 10% instead.

■ 31.1351, 33.6459,
30.0526

■ 31.1351, 33.6459,
30.0526

298.9760,
318.5502, 316.3645

■ 20.8541, 22.6217,
19.6261

■ 60.8271, 65.3826,
60.8073

■ 13.1292, 14.3144,
11.9422

■ 80.9688, 86.8640,
81.9727

■ 7.5952, 8.3397,
6.5823

■ 105.1281,
112.5998, 107.5547

■ 3.8867, 4.3131,
3.1278

133.6703,
142.9745, 137.9720

■ 1.6382, 1.8502,
1.1603

166.9609,
178.3725, 173.6431

■ 0.4171, 0.5182,
0.0000

205.3651,

■ 0.0000, 0.0000,

219.1782, 214.9865

0.0000

249.2484,
265.7760, 262.4208

■ 31.1351, 33.6459,
30.0526

■ 31.1351, 33.6459,
30.0526

■ 30.0421, 33.2097,
24.2961

■ 32.3977, 34.1521,
36.6940

■ 29.1089, 32.8364,
19.3851

■ 33.8338, 34.7267,
44.2532

■ 28.3288, 32.5243,
15.2805

■ 35.4507, 35.3735,
52.7640

■ 27.6936, 32.2701,
11.9393

■ 37.2542, 36.0949,
62.2579

■ 27.1945, 32.0704,
9.3142

■ 39.2501, 36.8934,
72.7648

■ 26.8215, 31.9211,
7.3531

■ 41.4438, 37.7709,
84.3136

■ 26.5632, 31.8177,
5.9965

■ 43.8406, 38.7297,
96.9317

■ 26.4065, 31.7550,
5.1746

■ 44.3833, 38.9469,
99.7860

■ 26.3225, 31.7213,
4.7355

■ 44.3839, 38.9472,
99.7860

Harmonies

Analogous

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



32.4699, 33.6459, 29.8086



31.1351, 33.6459, 30.0526



30.0558, 33.6459, 31.9859

Triad

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



31.1351, 33.6459, 30.0526



30.3121, 33.6459, 42.5506



34.5968, 33.6459, 38.0502

Complementary

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



31.1351, 33.6459, 30.0526



26.6823, 27.1820, 36.1899

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.



33.9834, 33.6459, 41.7134



31.1351, 33.6459, 30.0526



31.4939, 33.6459, 44.4305

Square

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



31.1351, 33.6459, 30.0526



29.5900, 33.6459, 39.1289



32.8389, 33.6459, 44.1138



34.4941, 33.6459, 34.2488

Rectangle

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



31.1351, 33.6459, 30.0526



29.6147, 33.6459, 34.0536



32.8389, 33.6459, 44.1138



34.4668, 33.6459, 39.3429

Sweetspot

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



31.1360, 33.6474, 30.0533



58.2769, 61.7951, 63.7166



28.4342, 28.2427, 29.1525



13.0968, 13.9150, 14.1458



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.



31.1360, 33.6474, 30.0533



56.0165, 60.8908, 51.8199



29.5217, 32.8152, 29.9778



7.1701, 7.7203, 7.0979



21.0805, 25.4041, 3.7924



0.3770, 0.4543, 0.0678

Inverse Universe

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



26.6823, 27.1820, 36.1899



46.2215, 46.6717, 65.3159



28.1833, 27.9558, 36.2602



6.2849, 6.4353, 8.3176



4.9431, 1.9773, 26.0284



0.0884, 0.0354, 0.4654

Previews

White Background



This preview shows how the XYZ color 31.1351, 33.6459, 30.0526 looks on a white background.

Color Contrast Check

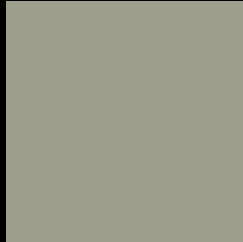
Large Text (above 18pt) WCAG AA × Fail

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 31.1351, 33.6459, 30.0526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

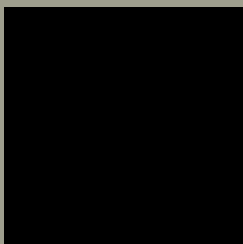
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

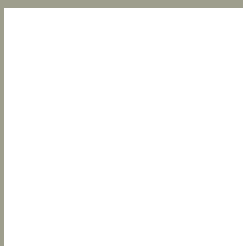
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1351, 33.6459, 30.0526

Background



This preview shows how black text looks on a background with the XYZ color 31.1351, 33.6459, 30.0526.



This preview shows how white text looks on a background with the XYZ color 31.1351, 33.6459,

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

31.1351, 33.6459, 30.0526

Protanopia

31.7263, 33.4569, 29.5966

Deuteranopia

34.0806, 33.4333, 30.2482



Tritanopia

33.3388, 33.5458, 40.7942

Trichromacy



Original Color

31.1351, 33.6459, 30.0526

Protanomaly

31.4885, 33.5845, 29.6338

Deuteranomaly

33.0156, 33.6102, 30.3385

Tritanomaly

32.5051, 33.4541, 36.6424

Monochromacy



Original Color

31.1351, 33.6459, 30.0526

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.5475, 33.5164, 34.0847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1351, 33.6459, 30.0526 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, 158, 141)` looks like.

```
.text, #text, p{  
    color:rgb(158, 158, 141)  
}
```

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, 158, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 158, 141) }
```

Border

The CSS property to change the border of an element to XYZ 31.1351, 33.6459, 30.0526 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, 158, 141) }
```


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

```
.border{ border-color:rgb(158, 158, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 158, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 158, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 158, 141);  
box-shadow:4px 4px 4px 4px rgb(158, 158,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1351, 33.6459, 30.0526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 158, 141) }
```

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

```
.background{ background-color: rgb(158,  
158, 141) }
```

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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